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656
1845T



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CARD
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The Perkins' from New York towards Panama

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	10			ENE	SW	
2	10					
3	10					
4	10					Commences with strong gales and cloudy weather
5	10					
6	10					
7	9					
8	9					
9	9					
10	9					
11	9					
12	9					Midnight Strong breeze and passing clouds
1	9					
2	8	1				
3	8	1				4 A.M. more moderate but out double reefs from main Top Sail.
4	8	1				5 A.M. set main Sail jib & spanker
5	9					6 let out all reefs and set Top Gall Sails
6	10					
7	10					
8	10					
9	10					9 set Store Top Gall strong Sail
10	10					Fastened a Brig standing to NE
11	10					
12	10					Ends strong gales & cloudy Sky by Obs 3/30

[illegible]

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	10					Monday Nov 25 th
2	10					
3	10					
4	10					Commences with strong gales
5	10					and pleasant
6	10					1 P.M. Set Lower Stays & Sail
7	10					2 P.M. Squally in Lower & Fore
8	10					Top mast sheety sail
9	10					8 in Top & all sails
10	10					11 Strong gales with heavy squalls
11	10					double the top sails
12	10					
1	10					Midnight strong gales and passing
2	10					squalls with rain
3	10					
4	10					9 A.M. more moderate more moderate
5	10					the lower rips from main & mid Top sails
6	10					Passes a Brig standing to the Eastward
7	10					
8	10					
9	10					Clear with strong gales & passing squalls
10	10					
11	10					Spas by Obs 36.40 North
12	10					Long by Obs 54.00 West

[illegible]

Ship

The *Prima* from New York towards Noamie

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	10	1	SE	Wes		Tuesday
2	10	1				
3	10	1				Commenced with strong seas and
4	10	1				drifting rain squalls
5	10	1				
6	10	1				6 PM let double reef from Top
7	10	1				Sail & let Main Top Sail
8	10	1				
9	10	1				
10	10					
11	10					
12	10					Midnight strong gales with head
1	10					of squalls in Main Top Sail
2	10					
3	10					
4	10	1				
5	10					
6	10					
7	10					
8	10					10 AM let Top & Main Top Sail
9	10					Sail
10	10					
11	10					Quies strong braves & drifting squalls
12	10					Pass by Obs 34 44 North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	10		SE	Wes		Wednesday Nov 26 th 1844
2	10					
3	10					Commenced with strong braves
4	10					and squalls
5	10					
6	10					3 PM passed a schooner standing
7	10					to SE
8	10		SE	W		4 let single reef from Main Top Sail
9	10					
10	8					
11	8					
12	8					Midnight more moderate sea from
1	8					Top mast strong sail
2	8					1 AM sea lower strong sail
3	8					
4	8					
5	8					
6	8					6 sea braves sea lower strong sail
7	8					Main Top sail strong sail
8	8					
9	8		SE	North		Watch employed shifting Reef from
10	8					left forward to trim the ship
11	8					
12	8					Pass by Obs 33.20 North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

216

Ship from Open Port towards Manila

H. K. H.K. Courses. Winds. L.W. Remarks. Thursday Nov 28th

1	3	1	SE	NE		
2	3	1				
3	3	1				Commences with light air and
4	3	1				pleasant weather
5	3	1				
6	3	1				Wind hauls to Westward
7	3					in the strong Sails and braces
8	3			NE		round the yards
9	3					
10	3					
11	3					
12	3					Meaning light air and pleasant
1	4					and
2	4					
3	3					
4	3					
5	4					
6	4					
7	4					
8	4					
9	4					10 AM by 1 st Store Topmast
10	4					Strong Sails
11	4					
12	4					Mas by Ob 32. 46 North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. Friday Nov 29th

1	4		SE	SE by E		
2	3					
3	3					Commences with light breeze
4	3			NE		and pleasant weather
5	3					
6	4					
7	4			SE by E		
8	4					
9	4					
10	4					
11	4					
12	4					Continues through the night
1	3					light breeze and pleasant
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					Ends as above
11	3					Day obs 32. 03
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

Thomas D from Old Port towards America

H. K. H.K. Courses. Winds. L.W. Remarks. Saturday Nov 30th

1	2									
2	2									
3	2									
4	2									
5	2									
6	2									
7	1									
8	1									
9	1									
10	1									
11	1									
12	1									
1	1									
2	1									
3	1									
4	1									
5	2									
6	2									
7	2									
8	2									
9	2									
10	2									
11	2									
12	2									

Commences with light airs from the N.W. and pleasant weather

Throughout the night light airs and pleasant

Enas Pleasant Day by Obs 32.04

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. Sunday Dec 1st 1844

1	1									
2	1									
3	1									
4	1									
5	2									
6	2									
7	2									
8	2									
9	2									
10	2									
11	3									
12	3									
1	3									
2	3									
3	3									
4	4									
5	4									
6	6									
7	6									
8	8									
9	8									
10	8									
11	8									
12	8									

Commences with light airs from the N.W. and pleasant weather

Throughout the night moderate and pleasant

2 A.M. better breeze set the fore & main top masts & main top sail set

7 Squally in fore & mid voyal main top mast & main top sail set

Enas fine breeze & pleasant

Day by Obs 31.47
Long by Obs 39.64

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

The *Dakins* from New York towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	7		Dep't SW			
2	7					
3	7					Commences with strong breezes from
4	7					the SW & passing clouds
5	6					
6	6		SE & South			
7	6					
8	7					
9	7					
10	6					
11	5					
12	5					Midnight good breezes with pass-
1	5					ing clouds
2	6					
3	6					3 A M Passia a Ship steering
4	6		E by S			to the E
5	6					
6	6					6 Passia a Brig steering to
7	6					the SE
8	6					
9	6					Enas pleasant
10	6					
11	6					
12	6					Waz by Obs 31.30

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6		SE & South			
2	6					
3	6					Commences with good breezes
4	6					from South and pleasant weather
5	6					
6	6					
7	6		SE & E			
8	6					
9	6					
10	6		SE & South			
11	6					
12	6					Midnight fine breezes and clear
1	7					and
2	7					
3	7					
4	7					
5	7					
6	7					
7	7					
8	7					Enas as above
9	7	7				
10	7	7				Spas by Obs 32.13
11	7	7				Long by Obs 33.00
12	7	7				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The *Edwin* from New York towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		E by S	S by E		
2	5					
3	5					
4	4		W by N			Commenced with light airs and
5	4					pleasant
6	5					4 PM Tacked to the Westward
7	5		S by E	S by W		
8	5					
9	5		S E			
10	5					
11	5					
12	5					
1	5		S by E	S by W		Midnight light airs and pass-
2	5					ing clouds
3	5					
4	4					
5	4		S E	S W		Morning saw a sail to windward
6	4					
7	4					Clouds moderate and pleasant
8	4					
9	4		S by E	S by W		
10	4					
11	4					
12	4					

Lat by Obs 31.47 North
Long by Chron 32.28 West

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		S by E	W by N		
2	5					
3	5					
4	5					Commenced with light breezes
5	4					and pleasant
6	4		South			
7	4					
8	4					
9	4					
10	4					
11	4					Midnight moderate with pass-
12	4					ing clouds
1	4		S by W			
2	4					2 AM Tacked a sail to seaward
3	4					
4	4					
5	4		South			
6	3					
7	4					Clouds with a squall from the N W
8	4					blowing up the top of our sails
9	4					
10	4					
11	4					
12	4					

Lat by Obs 30.30 North
Long by Chron 31.48 West

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

Ship from New York towards Manila

Thursday Dec 6th

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	7		South	W		
2	7					
3	4			North		Commenced with strong breeze and
4	1			W		Squally
5	2					11:30 Set Top Gun Sails
6	2			Variable		2 Set the fore top mast & lower
7	2					Stub of Sail
8	2					
9	2					
10	2					
11	2					
12	2					Midnight light variable wind
1	2		SE			
2	2					
3	2					
4	3		SE			
5	4					
6	5					7 AM Tackled Ship to No S W
7	6					
8	7		W			
9	7					Lat by Obs 29.42
10	7					Long by Chron 30.45
11	7					
12	7					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Friday Dec 7th

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	7		W	W		
2	7					
3	6					Commenced with strong breeze and pass-
4	6					ing clouds
5	6			South		
6	6			variable		Passed a Brig showing American colors
7	4		W by N to			standing to S W by the wind
8	3		SE			6:30 PM Squally appearances in P.M.
9	4					Squalls from the Northward in P.M.
10	4					Miss Top Gun Sail
11	5					Morning Set all light Sails Ship in sight
12	5					to windward
1	4					
2	4					Atten
3	4		W by S			
4	4					
5	4					
6	4					
7	4					
8	4					Clouds with light breeze and passing
9	5					Ship in company steering to S W by
10	5					the wind
11	4		W			Lat by Obs 28.04 North
12	4					Long by Chron 32.25 West

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

The River from *Chappaqua* towards *Wassaic*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.			
1	4			South N by E					
2	4			N E					
3	5					Commences with good breeze and			
4	6					pleasant weather			
5	7								
6	7								
7	8	1							
8	8	1							
9	8								
10	7	1				11 Pm in Showr. Studding Sail wind			
11	7					seamy			
12	8			N.W.		Midnight squally appearances			
1	8			South					
2	6					1 A M Squally in Royals & Top Gall			
3	6					Studding Sails			
4	5								
5	5								
6	7					Breeze with light baffling winds and			
7	7					fapping squalls			
8	5								
9	5			SE W					
10	3								
11	4					Obs by Obs 24' 30 North			
12	4					Long by Chron 32' 08 East			
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

from Cape Ark towards Wanda

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		2 1/2	2 1/2		
2	4	1				
3	4	1				
4	4					
5	5					
6	6					
7	6					
8	6					
9	1					
10	1					
11	4					
12	1					
1	6					
2	6					
3	7					
4	1					
5	5					
6	5					
7	5					
8	5					
9	1					
10	1					
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	9	1	2 1/2	2 1/2		
2	9	1				
3	9	1				
4	9	1				
5	9	1				
6	10					
7	10					
8	10					
9	10					
10	10					
11	10					
12	10					
1	10					
2	10					
3	10					
4	10					
5	10					
6	10					
7	10					
8	10					
9	10					
10	11					
11	1					
12	10					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

St. John's from New York towards Manila

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks.
1	1	1	2nd	Cloudy		
2	1	1				
3	1	1				
4	1	1				Commenced with strong breezes
5	1	1				and flying squalls
6	1	1				
7	1	1				2 PM the top sail set
8	1	1				crossed the 5th line
9	10					
10	10					Exchange colors with an English
11	10					Barque standing to the northward
12	10					
1	1					Barque in company standing to
2	1					Southward by the wind
3	1					10 PM in flying at
4	1					11 in the top sail and red jack
5	1					
6	1					Midnight strong breezes and flying
7	1					squalls
8	1					2 PM in the top sail set
9	1					Clouds with strong breezes and squalls
10	1					
11	1					Lat by Obs 14 43 N
12	1					Long by Obs 30 08 W

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Obs.	Varia.	Diff. Long.	Long. in	Long. by Obs.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks.
1	1	1	1st	Cloudy		
2	1	1				
3	1	1				
4	1	1				Commenced with strong breezes
5	1	1				and flying weather
6	1	1				
7	1	1				2 PM the top sail set
8	1	1				and
9	1	1				
10	1	1				3 PM the barque standing to the northward
11	1	1				5 PM the main light 5 PM
12	1	1				of both then in sight
1	1	1				
2	1	1				
3	1	1				
4	1	1				
5	1	1				Midnight strong breezes and flying squalls
6	1	1				
7	1	1				
8	1	1				
9	1	1				Clouds strong breezes and flying squalls
10	1	1				
11	1	1				Lat by Obs 11 32 N
12	1	1				Long by Obs 29 08 W

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Obs.	Varia.	Diff. Long.	Long. in	Long. by Obs.

Ship

Ship from Sta Rosa towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	9		<i>Wester</i>			
2	9					
3	9					
4	9					Commence with strong breezes and
5	9					pleasant
6	9					
7	6					6 PM squally weather & softening winds
8	3					
9	2					
10	2					8 PM heavy squall from the South
11	1					in ship's wake this blow down the
12	1					Sails
1	1					
2	2					
3	2					Morning Ship in Ship to S. 24
4	2					low. waves in the water
5	2					
6	2					
7	3					
8	1					
9	7					Ends with good breezes and
10	7					pleasant weather
11	7					<i>Pass 24 S. 24</i>
12	7					<i>Pass 24 S. 24</i>

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						Commence with strong
4						breezes and pleasant
5						
6						6 PM squally weather and
7						softening winds
8						
9						8 PM heavy squall from the
10						South in ship's wake this
11						blow down the ship's sails
12						
1						Morning heavy rain with
2						good thunder & hail lightning
3						at the ship's sails
4						Ship in company
5						
6						Morning Ship's power to be
7						the Macabuso
8						
9						Ends good breezes and pleasant
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

7.25

Ship

Ship from New York towards Martin

H.	K.	H.K.	Courses.	Winds.	I.W.	Remarks.
1	6		200	East		Monday Dec 16 th
2	6					
3	6					Commenced with moderate breeze
4	6					and cloudy weather passed a schooner
5	6					and a brig steering northward
6	6					
7	6					Ship made sail in company
8	6		200			
9	6					
10	2					Spoke a brig from Puerto
11	2					Conna to Pernambuco
12	2					
1	3					Midnight fine breeze and pleasant
2	1					
3	1		200			
4	1					
5	1					
6	1					Clear fine breeze and pleasant
7	1					
8	1					
9	1					
10	1					Day Dec 16 th 5:20
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	I.W.	Remarks.
1	1		200	East		Tuesday Dec 17 th
2	1					
3	1					Commenced with fine breeze
4	1					and pleasant
5	1					
6	1		200			
7	1		SE	Drifting		3 PM Sailed in company of 3 ships
8	1					the others up 5 PM. Saw sails distant
9	1		South			away the top of the masts for
10	1					a black rain squall accompanied with
11	1					loud thunder and severe lightning
12	1					
1	1		South			2 PM the top sails of the ship
2	1		SW			van sail
3	1					
4	1					
5	1					
6	1					Clear with good breeze and pleasant
7	1					at noon
8	1					Brig in company standing to 2 PM
9	1					Ship in sight steering northward
10	1					
11	1					Day Dec 17 th 3:45
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

24th

from *Port of S. F.* towards *Manila*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0					
2	0					
3	0					
4	0					Commenced with moderate trades
5	0					and pleasant weather
6	0					making the <i>San Francisco</i>
7	0					land another
8	0					
9	0					
10	0					
11	0					
12	0					midnight moderate trades and
1	0					pleasant weather
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					Morning <i>San Francisco</i> being still
9	0					in the <i>San Francisco</i> land
10	0					
11	0					
12	0					by <i>San Francisco</i> 2.02 North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0					
2	0					
3	0					
4	0					Commenced with good trades
5	0					and pleasant weather
6	0					
7	0					making the <i>San Francisco</i> land
8	0					San Francisco and long others in that
9	0					places
10	0					all hands employed making sails
11	0					
12	0					Midnight fine trades and pleasant
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					Good with fine trades and pleasant
7	0					Employed wrapping ship outside
8	0					
9	0					
10	0					by <i>San Francisco</i> 6.10
11	0					by <i>San Francisco</i> 28 35 to
12	0					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

1844

1844

from <i>San Francisco</i> towards <i>San Francisco</i>						San Francisco Dec 24			
H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.			
1	/		24th			Commenced with fair winds and pleasant weather and a light breeze from the north			
2	/								
3	/								
4	/								
5	/								
6	/								
7	/								
8	/								
9	/								
10	/								
11	/		24th			The weather was clear and the wind was from the north			
12	/								
1	/		24th						
2	/								
3	/								
4	/								
5	/								
6	/		24th						
7	/								
8	/								
9	/		24th						
10	/					The weather was clear and the wind was from the north			
11	/								
12	/								

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

from <i>San Francisco</i> towards <i>San Francisco</i>						San Francisco Dec 25			
H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.			
1	/		24th			Commenced with moderate winds and pleasant weather			
2	/								
3	/								
4	/								
5	/								
6	/								
7	/		24th						
8	/								
9	/								
10	/								
11	/		24th			The weather was clear and the wind was from the north			
12	/								
1	/								
2	/								
3	/								
4	/								
5	/								
6	/								
7	/								
8	/								
9	/								
10	/		24th			The weather was clear and the wind was from the north			
11	/								
12	/								

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1844

5th Dec from New York towards

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	/	/	South			Sunday Dec 23 rd Commenced with strong Trades and pleasant weather The crew very busy in unloading cargo
2	/	/				
3	/	/				
4	/	/				
5	/	/				
6	/	/				
7	/	/				
8	/	/	Sp. N			
9	/	/				
10	/	/				
11	/	/				
12	/	/				
1	/	/				Monday Dec 24 th A strong strong Trades and pleasant Was with good Trades and pleasant Long by Obs 11.45 Long by Chron 30.41 East
2	/	/				
3	/	/	Sp. N			
4	/	/				
5	/	/				
6	/	/				
7	/	/				
8	/	/				
9	/	/				
10	/	/				
11	/	/				
12	/	/	Varia			

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	/	/	Sp. N			Tuesday Dec 25 th Commenced with fine Trades and pleasant The crew employed in unloading outside Sp. N South Was with strong Trades and pleasant weather Was fine Trades and pleasant Long by Obs 12.21 West Long by Chron 30.56 West
2	/	/				
3	/	/				
4	/	/				
5	/	/				
6	/	/				
7	/	/				
8	/	/				
9	/	/	Sp. N			
10	/	/				
11	/	/				
12	/	/				
1	/	/				Wednesday Dec 26 th A strong strong Trades and pleasant Was with fine Trades and pleasant Long by Obs 12.21 West Long by Chron 30.56 West
2	/	/	South			
3	/	/				
4	/	/				
5	/	/				
6	/	/				
7	/	/				
8	/	/				
9	/	/				
10	/	/				
11	/	/				
12	/	/	Varia			

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

165

from *San Pedro* towards *Manila*

ll.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
Wed. morning Dec 25 th						
1	S		East			Commenced with strong trade and pleasant weather The hands employed repairing sails scrubbing outside and other jobs of ship stake. At 30 PM sent a boat to the Wharves Weather as mentioned above Ended strong trade and pleasant Lat by Ob 15 37 1/2 Long by Ob 122 50 0
2	S					
3	S					
4	S					
5	S					
6	S					
7	S					
8	S					
9	S					
10	S					
11	S					
12	S					
1	S					Weather as mentioned above Ended strong trade and pleasant Lat by Ob 15 37 1/2 Long by Ob 122 50 0
2	S					
3	S					
4	S					
5	S					
6	S					
7	S					
8	S					
9	S					
10	S					
11	S					
12	S					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

ll.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
Thurs. day Dec 26 th						
1	/		North			Commenced with more moderate trade and pleasant At 12 PM Midnight dipping clouds Ended strong trade Lat by Ob 21 25 1/2 Long by Ob 121 13 1/2
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/					
11	/					
12	/					
1	/					Weather as mentioned above Ended strong trade Lat by Ob 21 25 1/2 Long by Ob 121 13 1/2
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/					
11	/					
12	/					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Sh

1844

from New York towards *Winnipeg*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		South E E			
2	4					
3	4					
4	4					Commenced with light breeze
5	3					and hot sultry weather
6	2					
7	2					Finished scraping harbour
8	2					side of ship
9	5					
10	5		by W			Came to Westward just before
11	5					
12	5					
1	2		South			On night light air and pleasant
2	10					
3	10					
4	10		by E			
5	10					
6	10		by W			
7	10					
8	12					
9	10					End with light air and sultry weather
10	10					
11	2					Spent by the 22 20 50
12	2					Spent by the 31 25 40

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0		Calm			
2	1					Commenced calm with hot
3	2		by E			and sultry weather
4	2					
5	2					
6	5					Came into sight to see
7	5					Westward
8	5					
9	11		by W			
10	11					
11	11					
12	11					At night light breeze from
1	11					the S/E and pleasant
2	11					
3	11					
4	5		South			
5	10					
6	10					
7	5					End with light breeze and hot
8	5		by E			sultry weather
9	5					
10	5					Spent by the 23 31 20
11	5					Spent by the 31 30 40
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Shed

1844

The *Prize* from *Port Cork* towards *Winnipeg*

H. K. H.K. Courses. Winds. L.W. Remarks. *Sunday Dec 29th*

1	3										
2	3										
3	3										
4	3										
5	3										
6	1										
7	2										
8	2										
9	1										
10	3										
11	3										
12	3										
1	1										
2	1										
3	1										
4	1										
5	1										
6	1										
7	1										
8	1										
9	1										
10	1										
11	1										
12	1										

Commenced with light air from the Eastward and light sultry weather

At 10 AM Tack Sail and being another in place of it

Clear and between decks

3 PM Set all the Staysails

Coming in sight to Westward

At midnight fine breeze and clear and

Morning Drizzling Showers of rain

Clear fine breeze and pleasant

Lat by Obs 25 30 N
Long by Obs 30 50 W

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. *Monday Dec 30th*

1	1										
2	1										
3	1										
4	1										
5	1										
6	1										
7	1										
8	1										
9	1										
10	1										
11	1										
12	1										
1	1										
2	1										
3	1										
4	1										
5	1										
6	1										
7	1										
8	1										
9	1										
10	1										
11	1										
12	1										

Commenced with fine breeze from the Northward and fine weather

At midnight good breeze and clear and

Morning Breeze over Main Topmast Staysail

Lat by Obs 27 49 N
Long by Obs 25 15 W

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

The Ship from *San Pedro* towards *Manila*

H. K. H.K. Courses. Winds. L.W. Remarks. *Thursday Dec 31st*

1	1		<i>Sept 1844</i>			
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. *Wednesday Jan 1st*

1	4		<i>Oct 1844</i>			
2	4					
3	4					
4	3					
5	3					
6	3		<i>24th Dec 44</i>			
7	4					
8	4					
9	3					
10	3		<i>24th</i>			
11	3					
12	4					
1	6					
2	6					
3	6					
4	6					
5	6		<i>24th</i>			
6	7					
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Open

The Bark from New York towards Manila

H.	K.	H.K.	Courses.	Winds.	I.W.	Remarks.
1	1					
2	1					
3	1					
4	1					Commences with fine breeze and
5	1					pleasant weather
6	1					Employed in repairing fore sail and
7	1					other jobs of ship's duty
8	1					
9	1					
10	1					
11	1					
12	1					Midnight moderate breeze and
1	8					drifting clouds
2	8					
3	8					
4	8					Morning at the top mast stay
5	8					and
6	8					
7	8					
8	8					Has fine breeze and pleasant
9	8					
10	7					Lat by Obs 32. 11. 2
11	7					Long by Chron 24. 00. 0
12	7					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	I.W.	Remarks.
1	1					
2	1					
3	1					
4	1					Commences with good breeze and
5	1					pleasant weather
6	1					
7	1					Comes in sight to westward
8	1					
9	1					
10	1					
11	1					
12	1					Midnight pleasant
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					Has strong breeze and pleasant
7	1					
8	1					
9	1					
10	1					Lat by Obs 33. 11. 2
11	1					Long by Chron 20. 35. 0
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

The Perkins from New York towards Hamilton

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	9		1 E by E 1/4 N			Wednesday May 8 th
2	9					
3	9					Commenced with strong breeze
4	9					and pleasant weather
5	9					Employed a scraping ship outside
6	9					
7	8					
8	8					2 PM in Power Strong Sail
9	8					and Sea
10	8					
11	7					9 PM in Top Gun Strong Sails
12	7					Store & this night
1	7					
2	7					Midnight Strong breeze and cloudy
3	4					
4	4					4.30 A M in Main Top mast
5	5					Strong Sail and Sea
6	7					
7	8					Ones fine breeze and pleasant
8	8					all Sail set before the wind
9	8					
10	8					Lat 35 11 North
11	8					Long by Chron 6 10 East
12	8					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0		2 E by E 1/4 N			Thursday May 9 th
2	2					
3	4					Commenced calm
4	0					
5	0					
6	0					1 PM a light breeze from the
7	0					N by E fresh Ship set Top Gun
8	0					Strong Sails
9	4					
10	4					2 PM again set the Store
11	0					Top mast and Lower Strong Sails
12	0					
1	0					Employed a scraping sail and other
2	0					jobs of Ships duty
3	0					Midnight moderate and cloudy
4	5					2.30 A M Ship's over Store
5	6					Top mast Strong Sail
6	6					
7	6					Ones with strong breeze and
8	6					passing clouds
9	5					
10	6					Lat by DR
11	8					Long by DR
12	8					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

from New York towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1					Commenced with moderate breeze and pleasant weather
2	1					all drawing fair sail before the wind
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	8					Midnight strong breeze and
12	8					shades
1	8					
2	8					
3	8					
4	8					11 P.M. Shifted over board and
5	8					store topmast strong fair
6	8					
7	8					
8	8					
9	6					
10	6					Lat by Obs 35 53 5
11	6					Long by Chron 111 34 40
12	6					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4					Commenced with light breeze and pleasant weather
2	4					
3	4					
4	4					
5	3					
6	3					1 P.M. Shifted over
7	4					store topmast
8	4					
9	4					
10	4					Lat by Obs 36 19
11	4					Long by Chron 112 14 6
12	4					
1	4					
2	4					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The Perkins from New York towards Manila

H. K. H.K. Courses. Winds. L.W. Remarks. Saturday Nov 11th

1	5		Dep't 11 th				
2	5						
3	5						
4	5						
5	5						
6	5						
7	5						
8	5						
9	5						
10	5						
11	5						
12	5						
1	5						
2	5						
3	5						
4	5						
5	5						
6	5						
7	5						
8	5						
9	5						
10	5						
11	5						
12	5						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. Sunday Nov. 12th

1	5		Dep't 11 th				
2	5						
3	5						
4	5						
5	5						
6	5						
7	5						
8	5						
9	5						
10	5						
11	5						
12	5						
1	5						
2	5						
3	5						
4	5						
5	5						
6	5						
7	5						
8	5						
9	1						
10	1						
11	1						
12	1						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

The *Perkins* from New York towards Manila

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks.
1	6					Commences with good breezes and pleasant weather.
2	6					
3	6					
4	1					
5	1					
6	1					
7	8					
8	8					
9	8					
10	9					
11	9	1				Brought fine breezes and passing clouds
12	9	1				
1	9	1				
2	9	1				
3	9	1				
4	11					
5	10					
6	11					
7	11					
8	11					
9	11					Comes with strong breezes and pleasant
10	11					
11	11					
12	11					

Lat by Obs 33° 23' S
Long by Chro 12° 36' W

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	9					2 Etc light
2	9					
3	9					
4	9					
5	9					
6	5					
7	5					
8	5					
9	5	1				
10	5	1				
11	5					Through the night moderate breezes with passing clouds
12	5					
1	5					
2	5					
3	5					
4	5					
5	9					
6	10					
7	10					
8	10					
9	11					6 A.M. saw ship shifted over the Stern Top, mast and lower studding sail
10	11					
11	11					
12	11					

Comes with strong breezes and pleasant weather

Lat by Obs 38° 50' S
Long by Chro 16° 50' W

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

The *Park* from New York towards Manila

H. K. H.K. Courses. Winds. L.W. Remarks. Wednesday Jan 15th

1	"		Stays	h h w		
2	"					
3	"					
4	"					
5	"					
6	"					
7	"					
8	"					
9	"					
10	"					
11	"					
12	"					
1	10					
2	10					
3	10					
4	10					
5	10					
6	10					
7	10					
8	10					
9	10					
10	10					
11	10					
12	10					

Commenced with strong breeze
and pleasant with a heavy sea from
Westward
In main Top mast & main Top sail
Staysails

7 30 in Lower Staysail
10 in main Topmast
10 30 in Store Topmast Staysail

Midnight strong gales with Dapping Squalls
& a m in Store & main Top sail
the main Top sail being split
10 sent another Store Top sail
and set it

Clear with fresh breezes and Dapping
Clouds, set Store Top mast Staysail
main Top sail and main Topmast

Spun by Obs 35 55

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. Thursday Jan 16th

1	9		Stays	h h w		
2	9					
3	9					
4	9					
5	7					
6	7					
7	6	1				
8	6	1				
9	6	1				
10	6	1				
11	5	1				
12	5	1				
1	5	1				
2	4					
3	4					
4	3					
5	3					
6	4					
7	5					
8	5					
9	6					
10	6					
11	5					
12	4					

Commenced with good breezes and
pleasant weather set Top sail and
Lower Staysail
3 set Flying jib & main Top mast
Staysails

Midnight light breezes with a heavy
swell from S W

4 a m in all Staysails being calm
and a heavy swell
5 a light breeze from N E brace down
the yards

Clear with a light air from the East

Spun by Obs 38 40

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

1845

The *Golden* from New York towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4					Monday Jan 17 th
2	4					
3	5					Commences with moderate winds and
4	6					pleasant weather until the courses
5	6					and being others in their places
6	1					
7	7					10 P.M. in the Top mast stay
8	8					Sail
9	8					
10	8					11 m. Royals and Flying jib
11	8					
12	8					Midnight strong breezes and passing clouds
1	8					
2	8					2 A.M. in the & mid Top Sail sail
3	8					
4	8					Morning set all light sails with a moder-
5	8					ate breeze from the Eastward
6	6					
7	6					
8	6					Clouds moderate winds and cloudy
9	6					
10	4					Spasms 39.56
11	4					Long by Chron 27.17
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6					Tuesday Jan 18 th
2	6					
3	6					Commences with moderate breezes
4	6					and passing clouds all morning
5	6					Sail set
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					Midnight fine breezes and cloudy
1	6					
2	6					
3	6					
4	6					
5	6					9 A.M. in main Royal
6	6					10 m. Flying jib & Crossjack
7	6					
8	7					Clouds with strong breezes and
9	10					pleasant
10	10					Spasms 41.00
11	10					Long by Chron 31.23
12	10					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Shub

1846

The Bark from New York towards Manila

Sunday Jan 19th

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	7		SE 1/2 E			
2	7		SE 1/2 E			
3	7		SE 1/2 E			
4	7		SE 1/2 E			Commences with fresh breeze and
5	7		SE 1/2 E			driving clouds
6	7		SE 1/2 E			
7	7		SE 1/2 E			2 PM in Store Top mast struck San
8	7		SE 1/2 E			toona being seen
9	5		SE 1/2 E			
10	5		SE 1/2 E			
11	6		SE 1/2 E			
12	6		SE 1/2 E			Midnight more moderate breeze
1	6		SE 1/2 E			and cloudy
2	6		SE 1/2 E			
3	6		SE 1/2 E			
4	6		SE 1/2 E			
5	6		SE 1/2 E			Morning carried away Main Top
6	6		SE 1/2 E			Sail too got up another & spread it
7	6		SE 1/2 E			in
8	6		SE 1/2 E			
9	6		SE 1/2 E			Spas by Obs 41.34 South
10	6		SE 1/2 E			Long by Chro 35.35 East
11	6		SE 1/2 E			
12	6		SE 1/2 E			

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Monday Jan 20th

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	8		SE 1/2 E			
2	8		SE 1/2 E			
3	8		SE 1/2 E			Commences with good breeze and pleas-
4	8		SE 1/2 E			ant weather
5	8		SE 1/2 E			
6	8		SE 1/2 E			
7	8		SE 1/2 E			
8	8		SE 1/2 E			
9	1		SE 1/2 E			
10	6		SE 1/2 E			
11	6		SE 1/2 E			
12	5		SE 1/2 E			Midnight moderate and cloudy
1	6		SE 1/2 E			
2	6		SE 1/2 E			4 PM at 10 PM Store Top mast struck
3	6		SE 1/2 E			San
4	6		SE 1/2 E			
5	6		SE 1/2 E			
6	6		SE 1/2 E			Breeze with strong breeze and thick
7	8		SE 1/2 E			foggy weather
8	8		SE 1/2 E			
9	8		SE 1/2 E			Spas by Obs 49.43 South
10	8		SE 1/2 E			Long by Chro 59.48
11	8		SE 1/2 E			
12	8		SE 1/2 E			

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1846

The *Bark* from *New York* towards *Manila*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		by S	West		Commences with light airs from the Westward & pleasant weather In wind hauled to Westward in an evening sails braced up the yards
2	4					
3	4					
4	5					
5	6			North		
6	8					
7	9					
8	10			by S		
9	10					
10	10					
11	10					Midnight strong breeze with passing squalls 2 1/2 in more moderate sea on Starboard standing sails Clouds gave breeze and passing clouds
12	10					
1	8			by S		
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					Spent 6.00 50.463 Spent 6.00 61.276
11	8					
12	8					

2 1/2 to West by Star

Spent 6.00 50.463
Spent 6.00 61.276

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. Sunday Jan 26th

1	7		Obt. N.E.			Commences with light airs and pleasant weather. All hands, variously employed
2	7					
3	7					
4	6					
5	6					
6	6					
7	6					
8	6					
9	7					
10	7					
11	7					Midnight passing clouds Clouds with passing clouds
12	6					
1	5					
2	5					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					Spent 4.00 40.15 Spent 4.00 64.47
10	6					
11	6					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

8th from New York towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		SE 1/4 E			
2	3					
3	3					
4	3					Commenced with light breeze and thick hazy weather
5	3					
6	3					
7	3		East			2 P.M. a light breeze from the Southward in all strength and track up the gales
8	3					
9	3		SE			
10	3					
11	3					
12	3					
1	3		ENE 1/4 E			Midnight light air and cloudy weather
2	3					
3	3					
4	3		ENE			
5	3					Morning thick foggy weather
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					

Lat by Obs 39.04 South

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. Tuesday Jan 25th

1	3		East 1/4 E			
2	3					
3	3		ENE			
4	2					Commenced with light air and pleasant weather
5	2					
6	2					
7	2					
8	2					
9	1					
10	1					
11	2		ENE South			Midnight light breeze and cloudy
12	3					
1	4					2 P.M. light air 1 st strong S.W. is
2	5					
3	5					
4	5					
5	5					
6	5					Ones light breeze and pleasant
7	5		ENE			
8	5					
9	5					
10	5					
11	5					
12	5					

Lat by Obs 38.48 N

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

1845

Ship *31st* from *New York* towards *London*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Wednesday Jan 29th

Cape 4 1/2

Commenced with light air and pleasant weather full drawing sail before the wind

Midnight light breeze and cloudy

Sagittas 38.32

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Thursday Jan 30th

Cape 4 1/2

Commenced with light breeze and pleasant weather full drawing sail before the wind

Midnight fine breeze and pleasant

Sagittas 38.27

Long by the 78.47

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

1846

The *Enterprise* from New York towards Manila

H. K. H.K. Courses. Winds. L.W. Remarks. *Friday Jan 31st*

1			Calm			
2	1		SE 1/2 S 1/2 E			
3	2					Commenced calm
4	3					
5	3			North		2 PM a light breeze from NE
6	4					blew up the yards
7	6		SE 1/2 S			
8	1					4 PM 1/2 S 1/2 E from SE, mass
9	1					SE 1/2 S from SE 1/2 S 1/2 E
10	1					
11	1					10 PM in SE 1/2 S from SE 1/2 S
12	3					
1	3		SE 1/2 S			Midnight made Amsterdam bearing
2	3					SE 1/2 S by compass
3	3					2 PM in Amsterdam bore due North
4	4					SE 1/2 S from SE 1/2 S mass SE 1/2 S
5	4					SE 1/2 S from SE 1/2 S 1/2 E
6	4					4 PM Amsterdam bore to 40° by compass
7	4					thru 2 leagues
8	10					
9	10					Ones fine breeze and pleasant
10	10					
11	10					<i>11 PM 1/2 S 1/2 E 33° 35' Lat</i>
12	10					<i>Long by the 1940</i>

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. *Sat Feb 1st*

1	4		SE 1/2 S	NE		
2	4					
3	4					
4	4			SE 1/2 S		Commenced with strong breeze and
5	4	1				cloudy weather
6	4	1				
7	4	1				
8	4	1				
9	10					
10	10					
11	10					
12	10					Midnight strong breeze and
1	4					cloudy 1/2 SE 1/2 S from SE 1/2 S mass
2	4					strong fair
3	4					
4	4					
5	4					
6	4					11 PM wind bore to 40° in
7	4					SE 1/2 S from SE 1/2 S bore up the
8	4					yards
9	4					
10	4					No observation
11	4					Long by the 33° 35' Lat
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

1145-

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
						Monday Feb 5 th

1	9	6 days 27
2	8	
3	7	
4	6	Commences with good breezes and thick rainy weather
5	5	
6	4	
7	3	3 S.W. by N. Ste. Steeple more Shady sail
8	2	
9	1	0 S.W. by N. Ste. Steeple Shady Sails
10	0	
11	0	
12	0	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	

[illegible]

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1					Sunday Feb 4th

1	5	W. H. H.	
2	5		
3	5		
4	5		
5	5		
6	5		
7	5		
8	5		
9	5		
10	5		
11	5		
12	5		
1	5		
2	5		
3	5		
4	5		
5	5		
6	5		
7	5		
8	5		
9	5		
10	5		
11	5		
12	5		

[illegible]

Ship

1845

The *Prize* from New York towards Manila

H. K. H.K. Courses. Winds. L.W. Remarks. *Wednesday Feb 5th*

1	0		W 1/2 E			
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9	0					
10	0					
11	0					
12	0					
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9	0					
10	0					
11	0					
12	0					

W 1/2 E

Throughout light breeze and pleasant

All hands variously employed

*Lat by Obs 37.55
Long by Chron 91.49*

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. *Thursday Feb 6th*

1	1		W 1/2 N			
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

W 1/2 N

W 1/2 N

Breeze with light wind and pleasant weather

All hands employed in stowing 53 boxes and other goods of coffee

W 1/2 N

W 1/2 N

Throughout light breeze and pleasant

W 1/2 N

W 1/2 N

Ones Onones

*Lat by Obs 37.00
Long by Chron 94.00*

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship
The *Seas* from New York towards Maine

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0		SE	North		Common with light breezes and occasional high strong seas blow up the yards
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9	0					
10	0					
11	0					Midnight moderate and shading
12	0					
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9	0					Day by 35-45 E
10	0					
11	0					
12	0					

Day by 35-45 E
Long by Chron 97. 16 E

Course.	Dist.	Dif. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Dif. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0		SE	North		Common with light breezes and shading weather
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9	0					
10	0					
11	0					Midnight moderate and cloudy 1st time strong breeze again 2nd time again
12	0					
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9	0					Day by 35-45 E
10	0					
11	0					
12	0					

Course.	Dist.	Dif. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Dif. Long.	Long. in	Long. by Ob.

Ship from *Manitowick* towards *Manila*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	/					<i>Sunday Nov 9th</i> <i>Commenced with fine breeze and following weather</i> <i>2 PM the Steady Sails</i> <i>6 PM wind hauled to sheet were the ship lay abt the Steady Sails</i> <i>Through the night Steady Sails and following clouds</i> <i>5 AM passed a S Bank standing to the westward</i> <i>Clouds from breeze and following clouds</i>
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/					
11	/					<i>Monday Nov 10th</i> <i>2 PM the Steady Sails</i> <i>6 PM wind hauled to sheet were the ship lay abt the Steady Sails</i> <i>Through the night Steady Sails and following clouds</i> <i>5 AM passed a S Bank standing to the westward</i> <i>Clouds from breeze and following clouds</i>
12	/					
1	/					
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/					
11	/					
12	/					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	/					<i>Tuesday Nov 11th</i> <i>Commenced with fine breeze and following weather</i> <i>2 PM the Steady Sails</i> <i>6 PM wind hauled to sheet were the ship lay abt the Steady Sails</i> <i>Through the night Steady Sails and following clouds</i> <i>5 AM passed a S Bank standing to the westward</i> <i>Clouds from breeze and following clouds</i>
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/					
11	/					<i>Wednesday Nov 12th</i> <i>Commenced with fine breeze and following weather</i> <i>2 PM the Steady Sails</i> <i>6 PM wind hauled to sheet were the ship lay abt the Steady Sails</i> <i>Through the night Steady Sails and following clouds</i> <i>5 AM passed a S Bank standing to the westward</i> <i>Clouds from breeze and following clouds</i>
12	/					
1	/					
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/					
11	/					
12	/					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

1845

5/100 *from* *put out* towards *Monterey*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	/	/	20	20		
2	/	/				
3	/	/				
4	/	/				
5	/	/				Openings with strong breeze
6	/	/				and dipping clouds
7	/	/				
8	/	/				
9	/	/				50 m in strong steady
10	/	/				and breeze
11	/	/				
12	/	/				
1	/	/				Midnight strong breeze and clouds
2	/	/				
3	/	/				
4	/	/				
5	/	/				2.30 1/2 m light sails
6	/	/				
7	/	/				
8	/	/				
9	/	/				
10	/	/				Strong breeze 25.56
11	/	/				Strong breeze 10.29
12	/	/				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	/	/	40	40		
2	/	/				
3	/	/				
4	/	/				Openings with fresh breeze
5	/	/				and dipping clouds
6	/	/				
7	/	/				All drawing June 15 before the
8	/	/				wind
9	/	/				
10	/	/				6.30 m in strong breeze in the
11	/	/				sea strong breeze and dipping
12	/	/				clouds
1	/	/				
2	/	/				
3	/	/				Midnight strong breeze and
4	/	/				dipping clouds
5	/	/				
6	/	/				Morning 1/2 m light sails
7	/	/				
8	/	/				
9	/	/				Strong breeze 25.03
10	/	/				Strong breeze 10.29
11	/	/				
12	/	/				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Sept

1845

from New York towards Maine

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		h c	29		
2	1					
3	1					
4	1			Drift		
5	1					Commenced with strong breeze
6	1					and pleasant weather
7	1					1 PM by Main Street Light
8	1					
9	1					
10	1					
11	1					
12	1					Through the night fine breeze
1	1					and pleasant weather
2	1					
3	1					
4	1					
5	1					
6	1					Was for 12 hours & 12 miles
7	1					
8	1					
9	1					March 15 1845
10	1					Strongly Chilled
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		h c	29		
2	1					
3	1					
4	1					Commenced with strong breeze and
5	1					pleasant
6	1					1 PM by Main Street Light
7	1					
8	1					Was for 12 hours & 12 miles
9	1					
10	1					
11	1					
12	1					Through the night fine breeze
1	1					and pleasant
2	1					
3	1					
4	1					
5	1					
6	1					Was for 12 hours and 12 miles
7	1					
8	1					
9	1					March 15 1845
10	1					Strongly Chilled
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ships

1345

Ships from New York towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1			104	SE		15th
2						
3						
4						Commenced with good breeze
5						and pleasant
6						
7						
8						
9						
10						
11						
12						Winds light moderate and steady
1						
2						
3						
4						
5						
6						Good moderate and pleasant
7						
8						
9						
10						15th by 104 164
11						114 by 104 114
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1			104	SE		Sunday Nov 16th
2						
3						
4						Commenced with light breeze
5						and, softening breeze
6						
7						
8						
9						3 30 by 104 104 with
10						in English ships standing South
11						
12						
1						
2						Winds light breeze and
3						pleasant
4						
5						
6						
7						Good pleasant
8						
9						
10						15th by 104 1522
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

Ship from New York towards Havana

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0		06	66		Monday Nov 14
2	0					
3	0					
4	0					
5	0					Commenced with good breeze and
6	0					pleasant weather at daybreak
7	0					
8	0					
9	0					
10	0					
11	0					
12	0					
1	0					Monday 14th by breeze and
2	0					pleasant weather
3	0					
4	0					
5	0					
6	0					
7	0					Cross with light air and
8	0					settling weather
9	0					
10	0					Stop by 11.19 21
11	0					Stop by 11.59 4
12	0					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		06	66		Tuesday Nov 15
2	2					
3	2					
4	2					Commenced with a light air from
5	2					the northward and pleasant
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					Strengthened the night light breeze
1	2					by what
2	2					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					Cross pleasant
9	2					
10	2					
11	2					
12	2					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship
from New York towards Maine

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6		h 6/8	South		
2	6					
3	6					
4	6			SE by E		
5	6					Commenced with good breeze
6	6			South		and light air together at times
7	6					my sail set before the wind
8	6					
9	6					
10	6					10 PM in main top mast & 3/4
11	6			SE		the strong breeze
12	6					
1	8					Midnight strong breeze and clear
2	8					
3	8					5 PM in main top mast & 3/4
4	8					the strong breeze
5	9					9 PM in main top mast & 3/4
6	9					the strong breeze
7	9					the strong breeze
8	9					the strong breeze
9	9					the strong breeze
10	9					American ship in company
11	9					
12	9					May 14/45 10 PM

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	9		6/8	h 6/8		
2	9					
3	8					Commenced with strong breeze
4	8					and heavy rain squalls from
5	8		h 6/8			the Westward
6	8					Ship in company astern
7	10					
8	10					Ship in company astern
9	10					Ship in company astern
10	10					Ship in company astern
11	8			North		Ship in company astern
12	8					Ship in company astern
1	1					Ship in company astern
2	1					Ship in company astern
3	6		h 6/8			Ship in company astern
4	6					Ship in company astern
5	6					Ship in company astern
6	6					Ship in company astern
7	6					Ship in company astern
8	6					Ship in company astern
9	6					Ship in company astern
10	6					Ship in company astern
11	6					Ship in company astern
12	6					Ship in company astern

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1844

Shoal from New Bed towards Mon.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	/		by h	by h		
2	/					
3	/		by h			Commenced with strong breeze
4	/					and falling clouds
5	/					5.00 in latitude to Eastward
6	/					
7	/					
8	/		by h			6.00 latitude of Tanager in sight
9	/					h & E. Since 10.00 for compass
10	/					5.00 in latitude to Eastward
11	/					
12	/					Midnight latitude to Westward
1	/		by h			4.00 latitude to Eastward
2	/					5.00 " " " " " "
3	/					4.00 " " " " " "
4	/					Since 10.00 for compass
5	/					
6	/					Mon. lagged 10.00 for compass
7	/					Compass
8	/		by h			
9	/		by h			
10	/					Wages 9.37 1/2
11	/					
12	/					Course every hour 10.00 for compass

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	/		by h	by h		
2	/					
3	/					
4	/					Commenced with a light breeze
5	/					by falling clouds
6	/		by h			
7	/					5.00 up a new moon 10.00 for
8	/		by h			compass
9	/					6.00 latitude to Eastward
10	/					
11	/					6.00 latitude of Tanager in sight
12	/		by h			10.00 for compass
1	/					Wages 10.00 for compass
2	/					10.00 for compass
3	/					10.00 for compass
4	/					10.00 for compass
5	/					10.00 for compass
6	/					10.00 for compass
7	/					10.00 for compass
8	/		by h			10.00 for compass
9	/					
10	/					Wages 10.00 for compass
11	/					
12	/					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ships

154

Thus from New York towards Havana

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		h h c	6 1/2		
2	2					
3	2					
4	2					Commenced with light air and
5	2					hot sultry weather
6	2					
7	2					4 30 m Southern true h c p c
8	2					
9	2					4 m m l m center h h m
10						
11						4 1/2 m 2 1/2 m from land
12						4 1/2 m
1						
2						English 3 30 m in company
3						
4						4 30 m 2 1/2 m from land
5						
6						
7						
8						Ones calm hot & sultry
9						
10						
11						Hot by the 5 3/4
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		4 1/2	4 1/2		
2	4					
3	4					Commenced with light air
4	4					and hot sultry weather
5	4					
6	4					4 30 m Southern 1/2 of Port of
7	4					h c p c compass
8	4					
9	4					South Island center h h c
10	4					
11	4					
12	4					Midnight light air and pleasant
1	4					
2	4					
3	4					
4	4					
5	4					4 10 m plus ship ship on
6	4					board the the most strong
7	4					land
8	4					4 10 m Southern 1/2 of Port of
9	4					h c p c compass
10	4					
11	4					Hot by the 5 1/2
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

The *Enterprise* from New York towards Havana

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	Thursday Feb 27 th			
1	5		By 400							
2	5									
3	5									
4	5									
5	5									
6	5		Calm							
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
1	5		By 400							
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
Course.							Dist.	Diff. Lat.	Dep.	Lat. by D. R.
										Lat. by Ob.
										Varia.
										Diff. Long.
										Long. in
										Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	Friday Feb 28 th			
1	5		Making							
2	5									
3	5		through							
4	5		the stars							
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
1	5									
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
Course.							Dist.	Diff. Lat.	Dep.	Lat. by D. R.
										Lat. by Ob.
										Varia.
										Diff. Long.
										Long. in
										Long. by Ob.

Ship

1845

Ship from New York towards America

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0		light breeze			
2	0					
3	0					
4	0					
5	1					Commenced with good breeze and
6	1					pleasant weather for some time
7	1					The wind
8	1					
9	1		light			Ship moving slowly
10	1					
11	1					
12	1		with			
1	1					Ship moving slowly
2	1					
3	1		light			
4	1					
5	1					10 AM the Star of
6	1					Mass. being seen
7	1		light			from Sea Point - Main Star
8	1					Star being seen
9	1					
10	1					
11	1					Ship by 11 30 AM
12	1		light			Ship by 12 45 PM

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1					
2	1					
3	1					
4	1					Commenced with light breeze
5	1					and pleasant weather
6	1					
7	1					5 PM more the Star of
8	1					Mass. to the N.E.
9	1					
10	1					6 PM the Star of Mass.
11	1					being seen
12	1					Ship being seen
1	1					
2	1					
3	1					Ship being seen
4	1					
5	1					
6	1					
7	1					Ship being seen
8	1					
9	1					Ship being seen
10	1					
11	1					Ship by 11 30 AM
12	1					Ship by 12 45 PM

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship *Sharks of Danforth* 1845

The *Sharks* from *New York* towards *Maine*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		h E by E 1/2 N			Wednesday March 5 th
2	5					
3	4					
4	4		h E by E			Commenced with strong breeze and pleasant weather
5	6					
6	6					
7	1					6 30 m Passing low near
8	1					Long Island NW by W
9	1		h E			
10	1					10 30 m Passing in Long Island Sound
11	1					5 1/2 m this
12	1					
1	1		h E by E			11 30 m Steady ship to the westward
2	1					midnight h E
3	1					
4	1					5 1/2 m Steady ship to the westward
5	1					h E
6	1					
7	1					Mon outer of the Cape Cod light
8	1					5 1/2 m Steady ship to the westward
9	1					h E
10	1					
11	1					
12	1					

March 5th 1845

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		h E by E 1/2 N			Thursday March 6 th
2	1					
3	1					
4	1					Commenced with strong breeze and pleasant weather
5	1					
6	1					
7	1		h E by E			5 30 m Passing in Long Island Sound
8	1					Maine Bay at 1/2 m 5 1/2 m Steady
9	1					
10	1					6 30 m Steady ship to the westward
11	1					h E by E to h E by W
12	1					Fishers Island 1/2 m by W
1	1					
2	1					
3	1					
4	1					5 1/2 m Steady ship to the westward
5	1		h E by E			h E by E
6	1					Fishers Island 1/2 m by W
7	1					
8	1					Mon Steady ship to the westward
9	1					Fishers Island
10	1					
11	1					h E by E
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

Pacific Ocean

1846

The *Perkins* from New York towards Hawaii

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
						Thursday March 7 th
1	3		Ch 4	Boffing		
2	4					
3	1					
4	1					
5	6					Commenced with light breezes and
6	6					shading weather
7	6	Ch 1				
8	6					
9	6					6 P.M. I stand off pt. Diego bore
10	6					N. by E. 4 leagues dist
11	6					
12	6					9 P.M. fresh breezes and squally
1	5					apparatus in store & this P.M. seen
2	5	W by N				lands
3	5					
4	5	E by N				2 A.M. Tackled ship to Eastward
5	5					
6	5	W by N				8 A.M. Pt. Diego bore W by N
7	5					Tackled ship to the Eastward
8	5					
9	5					
10	5					Day by Obs 1.05 South
11	5					
12	5					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
						Friday March 8 th
1	3		Ch 6 North			
2	3					
3	3					
4	3					
5	2					Commenced with light airs and
6	2					shading weather
7	4	N by E				
8	5					6 P.M. North pt. of New Guinea
9	5					bore E
10	5					
11	5					
12	3	N E				
1	4					
2	4	N by E				He caught light breezes and
3	4					passing clouds
4	4					
5	4					
6	4	N N E				
7	5					
8	5					
9	5					Day by Obs 0.46 North
10	5					
11	5					
12	5					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

Pacific Ocean

1845

The Perkins from New York towards Manilla

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	7		hly E	h w		Commenced with strong breezes and passing squalls Made & took in sail as required
2	7					
3	7		h h E			
4	7					
5	7					
6	7		hly E			
7	7					
8	7					
9	7					
10	7					
11	7		h h E			
12	7					
1	6	1	hly E			2 A.M. Squally in fore & mid top sail hoists 6 Set them again
2	6	1				
3	6	1	h h E			
4	6	1				
5	6	1				
6	6	1				
7	6	1	hly E			Ones with strong breezes and pleasant weather Saw by Obs 3.04 North
8	6	1				
9	6	1	hly E			
10	6	1				
11	6	1				
12	6	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6		hly h wly			Commenced with fresh breezes and passing ones
2	6					
3	6					
4	6					
5	5					
6	5					
7	5					Through the night moderate breezes and cloudy weather 8 A.M. Tacked ship to Westward " " " "
8	4					
9	4					
10	6		hly E			
11	6					
12	5					
1	5					h breezes and clouds
2	5					
3	5		hly h			
4	5					
5	5					
6	5					
7	5					Saw by Chro 136.10 East
8	5					
9	5		Wes			
10	5		h E			
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship *Pacific Ocean*
The Parker from *New York* towards *Spain*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6		W by N	W		Tuesday March 11 th
2	6					
3	6					
4	6					Commenced with strong breeze
5	6					and squalls, weather
6	6					Tacked ship to Westward
7	6					
8	6					2 P.M. in Top Gun Sails
9	6					3 " " Main Top Gun Sail
10	6					4 Tacked ship to Westward
11	6					5 P.M. Strong gales and squally
12	6					Double reefed the Top Sails
1	6					10 m. jib & Spanker
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Spas by Obs 4.50 h

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Obs.	Varia.	Diff. Long.	Long. in	Long. by Obs.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		N E by N	W		Wednesday March 12 th
2	4					
3	4					
4	4					
5	4					Commenced with strong gales
6	4					and passing clouds
7	4					
8	4					8 P.M. ship to Westward
9	4					
10	4					
11	4					
12	4					
1	4					Through the night strong
2	4					gales and passing squalls
3	4					
4	4					4 A.M. hoisted on reef from
5	4					Top Sails set for Spanker
6	4					& Main
7	4					
8	4					12 Noon a Spanker set
9	4					Top Gun Sails
10	4					
11	4					
12	4					

Spas by Obs 4.26 h

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Obs.	Varia.	Diff. Long.	Long. in	Long. by Obs.

Ship

1845

The *Ark* from New York towards Manin

II.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
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Thursday March 13th

1	5		N N E N W			
2	5					
3	5					
4	5					Commerus with strong breezes
5	5		N E			and passing clouds
6	5					Shut off
7	5					
8	5		N E by N			2 P.M. Squally in T. G. J. J.
9	5					from T. G. J. J. sail soon as squalls
10	5					passer set them again
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5		N E by E			8 A.M. Taken ship to N W
6	5					
7	5					10 was bowrwa by an English
8	5					whaling Barque
9	5					
10	5					
11	5					
12	5					

Sog by Obs 5.22 North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
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II.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
-----	----	------	----------	--------	------	----------

Friday March 14th

1	3		North W N W			
2	3					
3	3					
4	3					Commerus with light airs
5	2					and pleasant weather
6	2					
7	4		N W			Unbent Main Top Gun Sail
8	4					and hung another
9	6		W by N			
10	6		W by N			6 P.M. a light Squall from
11	6					N E. breeze round the corner
12	6					
1	8		N W by W			10 P.M. Squally in T. G. J. J.
2	8					T. G. J. J. sail
3	8					11 in Main Top Gun Sail
4	8					
5	8					2 A.M. in Spunkies North
6	8					under the Top Sails
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					

Sog by Obs. 6.24 North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
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Ship

Pacific Ocean

1845

The Perkins from New York towards Manilla

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		W by N	N.E.		
2	5					
3	5					
4	7					
5	7					
6	7					Commenced with strong breeze and
7	7					pleasant weather
8	7					
9	7					
10	7		W by S			10 P.M. Set Store Top mast stay
11	7					Sail
12	7					
1	7			N.W.		
2	7					
3	6					
4	6			N.		4 A.M. Set Lower stay sail
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6		N.W. by E, N.E.			
2	5					
3	5		W by N			
4	5					Commenced with squalls from
5	4		W by S			the Northward carried away Store
6	3					Top Gun Back Stay
7	2					
8	2		W by N			
9	2					4 P.M. made anchor to the Northward
10	2					6 P.M. anchor bore N by W 1/4 W per
11	1					compass
12	1					
1	3					Made a light breeze from the
2	5					Northward
3	7					8 Tacked ship to N.E.
4	6					9 " " " W by N
5	6					
6	6					
7	6					
8	6		N.W.			
9	6					
10	6					Set by Obs 6.53 North
11	6					
12	6					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

The *Portia* from New York towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		h n w	North		
2	5					
3	5					
4	5					Commenced with moderate breezes
5	4	1				and pleasant weather
6	4	1	W by N			
7	4	1	h n e			6.30 Pm Tacked Ship to N.E
8	4	1				
9	5					
10	5					
11	5					Through the night fine breezes
12	5					and occasional squalls
1	5		N by N			
2	5					
3	5					6 A M Tacked Ship to N.W
4	5					
5	6					Employed scrubbing decks and
6	6					same work
7	6		W by N			
8	6					
9	6					Onus with fresh breezes and
10	6		N.W. by W then E			passing squalls
11	6					
12	6					Set by Obs 9.40

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6	1	N.W. h n e			
2	6					
3	6					Commenced with fine breezes
4	6					and passing clouds
5	6					All drawing sail set by the wind
6	6		N.W. by W			
7	6					
8	6					
9	6					
10	6					
11	6		N.W. by W			
12	6					At night good breezes
1	6					and pleasant
2	6		N.W. by W			
3	6					
4	6					
5	6					
6	6					Onus with fine breezes and
7	6					passing clouds
8	6					
9	6					
10	6					Set by Obs 9.15
11	6					
12	6					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The *Portia* from New York towards Manila.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		h e	h h e	2	Wednesday March 19 th
2	1				2	
3	1				2	
4	1				2	
5	1				2	Commenced with strong gales
6	1				2	and passing clouds
7	1				2	
8	1				2	
9	1				2	11 In noon Ship to Westward
10	1				2	
11	1		W e		2	
12	4				2	
1	4				2	Through the night Thick clouds
2	4				2	and passing clouds
3	4				2	
4	4				2	6 1/2 m Sea top Van sail
5	4				2	
6	4				2	
7	4				2	
8	4				2	Clouds good birds and pleasant
9	4				2	
10	4				2	
11	4				2	
12	4				2	Spaz by obs 11.07

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6		h e	h h e	6	Thursday March 20 th
2	6					
3	6					
4	6					Commenced with fresh breeze
5	6					and passing clouds
6	6					
7	6					11 In Sea main top Van sail
8	6					11 Sea main top Van sail
9	6					
10	6					
11	6					
12	6					Manich fine breeze and pleasant weather
1	6					6 1/2 m Sea all light sail
2	6					
3	6					Enas fine breeze and pleasant
4	6					
5	6					
6	6					
7	6					
8	6					12 In Balmi bore 40 by S
9	6					6 1/2 m Sea top Van sail
10	6					
11	6					Spaz by obs 12.45
12	6					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

1845

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
						Friday March 21 st

[illegible]

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	
						Saturday, March 21	21

[illegible]

Ship

The *Perkins* from New York towards Maricao

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						Monday March 23 rd
2			hauled			
3						
4						Commenced with light winds
5						and blowing in gusts
6			hauled			
7						1.30 W. S. S. S. S. S. S.
8						
9						
10						Working through the Straits
11						to the best advantage
12						
1						6.30 M. S. S. S. S. S. S. S.
2						Chapman
3						Barren
4						
5						Through the night fine breeze
6						and passing clouds
7						
8						10.30 M. S. S. S. S. S. S. S.
9						and lower straggling fair
10						
11						Marathon here near 3 miles
12						ago

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						Tuesday March 24 th
2						
3						Commenced strong breeze
4						and blowing in gusts
5						Work in the stream anchor
6						get the Breeze off the boat
7						and haul the chains
8						6.30 M. S. S. S. S. S. S. S.
9						by W. S. S. S. S. S. S. S.
10						
11						
12						Through the night strong breeze
1						and passing clouds
2						
3						3.30 M. passed by Cape Cod
4						— passed up old Bay
5						
6						3.30 M. came to anchor in
7						main Bay with 15 fathoms
8						range of 15 fathoms about 10 miles
9						ago
10						
11						After a passage of 125 days
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1545

from *Manila* towards *London*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1	1	by 1/2	by 1/2		
2	1	1				
3	1	1				
4	1	1				
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	2					
12	2					
1	2					
2	2					
3	2					
4	2					
5	2					
6	2					
7	3					
8	3					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

U.S.S.

From *Portland* from *Maine* towards *May*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						Commenced with light breeze
6						and pleasant
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8	1		40 kts			
9	1					
10	1		40 kts			
11	1					
12	1					

Commenced with light breeze and pleasant

I thought to stop Phadant

I M. Cape came in board
 seeing the ship & how the anchor
 up made an air - paper down
 the Bay
 I thought to stop right by the air and
 passing clouds
 & to see how far from the ship I was
 from which I take my observation

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
					11.32h				

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		40 kts			
2	1					
3	1					
4	1					
5	1		40 kts			
6	2		40 kts			
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					
1	1					
2	1					
3	2		40 kts			
4	2					
5	2					
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					

Commenced with light breeze and pleasant weather

I M. Cape came in board
 seeing the ship & how the anchor
 up made an air - paper down
 the Bay
 I thought to stop right by the air and
 passing clouds
 & to see how far from the ship I was
 from which I take my observation

I was with light breeze and pleasant weather

Lat by Obs 15.01 h

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

The *Ship* from *Yamela* towards *Stony*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	3		11/4 W	11/4 E		
2	3					
3	3		North			
4	3					
5	2					Commences with light breeze and
6	2					pleasant weather
7	2					
8	2					
9	2		11/4 W			3 P.M. a light breeze from the North
10	2					
11	2					
12	2		10 1/2 W			Through the night light breeze and
1	2					pleasant
2	2					
3	2		North	South		
4	2					
5	2					8 A.M. sea on side strong sails
6	2					
7	2					
8	2					
9				Calm		
10						Onas with calm hot sultry weather
11						
12						Spas by Bar 15.40 North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. Monday April 21st

1	3		11/4 W	11/4 W		
2	3					
3	4					Commences with light breeze and
4	4					pleasant weather
5	2					
6	2					6 P.M. extreme heat of Specimen
7	1					bore from S & by S to N 1/4 E. &
8	1		11/4 E			so compassed
9	2					
10	3		11/4 W			8.30 P.M. Tachin ship to 10 W
11	5		11/4 W			
12	5					
1	4					
2	4					Many the pleasant
3	4		North			
4	4					
5	5		11/4 W			
6	5					
7	4		11/4 W			
8	4					Onas light breeze and pleasant
9	4					
10	4					
11	4					Spas by Bar 16.57
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

from *Albany* towards *Albany*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		h l	h l		
2	2		h l			
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	2					
12	2					
1	2					
2	2					
3	2					
4	2					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

Commenced with a light air from the northward and gradually increased 1.30 PM a heavy ship to h l

Through the night light air and clear

1.40 PM a heavy ship to h l

Day by Day 17.40
Long by Chron 120.00 E

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		h l	h l		
2	2		h l			
3	2		h l			
4	2		h l			
5	2		h l			
6	2		h l			
7	2		h l			
8	2		h l			
9	2		h l			
10	2		h l			
11	2		h l			
12	2		h l			
1	2		h l			
2	2		h l			
3	2		h l			
4	2		h l			
5	2		h l			
6	2		h l			
7	2		h l			
8	2		h l			
9	2		h l			
10	2		h l			
11	2		h l			
12	2		h l			

Commenced with light air from the northward and gradually increased 1.30 PM a heavy ship to h l

1.40 PM a heavy ship to h l

Through the night light air and clear

1.40 PM a heavy ship to h l

1.40 PM a heavy ship to h l

Day by Day 18.40

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

The Ship from *Hamelin* towards *Stony*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	10		gale			<i>Thursday April 24th</i> Commenced with good breeze light breeze 10.30 in a strong gust wind light 11.40 12.40 1.40 2.40 3.40 4.40 5.40 6.40 7.40 8.40 9.40 10.40 11.40 12.40
2	10					
3	10					
4	10					
5	10					
6	10					
7	10					
8	10					
9	10					
10	10					
11	10					
12	10					
1	10		gale			<i>Friday April 25th</i> 1.40 in the ship to 11.40 Midnight light breeze 2.40 in a light breeze from N.E. in light breeze
2	10					
3	10					
4	10					
5	10					
6	10					
7	10					
8	10					
9	10					
10	10					
11	10					
12	10					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	10	1	gale			<i>Friday April 25th</i> Commenced with strong gale and heavy squalls 2.40 in the ship to 11.40 10 in the ship and light breeze light breeze 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40
2	10	1				
3	10	1				
4	10	1				
5	10	1				
6	10	1				
7	10	1				
8	10	1				
9	10	1				
10	10	1				
11	10	1				
12	10	1				
1	10	1	gale			Midnight strong gale and heavy squalls ship making 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40 1.40 in the ship to 11.40
2	10	1				
3	10	1				
4	10	1				
5	10	1				
6	10	1				
7	10	1				
8	10	1				
9	10	1				
10	10	1				
11	10	1				
12	10	1				

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

from *towards*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						1000
2						1000
3						1000
4						1000
5						1000
6						1000
7						1000
8						1000
9						1000
10						1000
11						1000
12						1000
1						1000
2						1000
3						1000
4						1000
5						1000
6						1000
7						1000
8						1000
9						1000
10						1000
11						1000
12						1000

[illegible]

II.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1	1	10 m 6 1/2 h			Sun. April 27 th
2	1	1				
3	1	1				
4	1	1				Commenced with fine breeze
5	1	1	10 h			and light breeze
6	1	1				
7	1	1				At 10 m 6 1/2 h Ship to h
8	1	1				" " " " " "
9	1	1				
10	1	1				
11	2	2				
12	2	2				At 10 m 6 1/2 h Ship to h
1	2	2				and light breeze
2	2	2				
3	2	2				
4	2	2				At 10 m 6 1/2 h Ship to h
5	2	2				
6	2	2				
7	2	2				
8	2	2				At 10 m 6 1/2 h Ship to h
9	2	2				
10	2	2				At 10 m 6 1/2 h Ship to h
11	2	2				
12	2	2				

[illegible]

2/10th 20 miles from H. m. towards S. m. m.

[illegible][illegible]

1845

The River from *Amoy* towards *Hongkong*

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks.
						Monday June 17 th
1						
2						
3						
4						
5						
6						Commenced with light air and shading
7						weather. 1 O'Clock underway 52 fathoms
8						was on board on searching the ship found
9						three Spaniards on board belonging to the Dutch
10						Barque of the Brothers Line then on board
11						their vessel.
12						
1						
2						
3						
4						Working out to the <u>loss</u> advantage
5						with a black wind
6						
7						
8						
9						
10						
11						
12						

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5					Twoy June 11 th
2	5					
3	5					
4	5					Commenced with moderate breeze
5	5					and pleasant Trade. Ship to
6	5					the Westward
7	5					
8	5					
9	5					
10	5					
11	5					Through the night pleasant
12	5					
1	5					
2	5					
3	5					2 11 h Trade to S E
4	5					to " " " Westward
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

[illegible]

Ship

The *Ark* from *Amoy* towards *Hong Kong*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		20 kts	SE		
2	5					
3	5		10 kts			
4	5					Commenced with fine breeze
5	5					and pleasant weather
6	5					
7	5		40 kts			2 PM Sacka Ship to the
8	5					ward
9	5		10 kts			
10	5					10 AM Sacka to
11	5		20 kts			the
12	5					ward
1	5		20 kts			
2	5					
3	5					
4	5					
5	5		20			7 AM to
6	5					
7	5					
8	5		10 kts			
9	5					
10	5					
11	5					
12	5					

Course. | Dist. | Diff. Lat. | Dep. | Lat. by D. R. | Lat. by Ob. | Varia. | Diff. Long. | Long. in | Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		20 kts	SE		
2	4		10 kts			
3	4					
4	4					Commenced with moderate breeze
5	4					and pleasant weather
6	4					2 PM Sacka Ship to the
7	4					ward
8	4					
9	4					
10	4					
11	5					
12	4					
1	4		10 kts			At night light breeze and
2	4					pleasant
3	4		10 kts			2 AM Sacka Ship to
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course. | Dist. | Diff. Lat. | Dep. | Lat. by D. R. | Lat. by Ob. | Varia. | Diff. Long. | Long. in | Long. by Ob.

Ship

The Perkins from Oahu towards Hongkong

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	"		Calm			
2	"					
3	2		SE East			
4	3					Commenced with calm and pleasant weather
5	3					
6	2					
7	4					SE by N a light air from the Eastward
8	4					SE by N a light air from the Eastward
9	5					
10	5					SE by N a light air from the Eastward
11	5					SE by N a light air from the Eastward
12	4					SE by N a light air from the Eastward
1	5					SE by N a light air from the Eastward
2	5					SE by N a light air from the Eastward
3	5					SE by N a light air from the Eastward
4	4					SE by N a light air from the Eastward
5	6					SE by N a light air from the Eastward
6	6					SE by N a light air from the Eastward
7	5					SE by N a light air from the Eastward
8	4					SE by N a light air from the Eastward
9	3					SE by N a light air from the Eastward
10	3					SE by N a light air from the Eastward
11	2					SE by N a light air from the Eastward
12	2					SE by N a light air from the Eastward

Lat by Obs 22.08 North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Obs.	Varia.	Diff. Long.	Long. in	Long. by Obs.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2					
2	2					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					
1	2					
2	2					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Obs.	Varia.	Diff. Long.	Long. in	Long. by Obs.

Ship

from *Amoy* towards *Amoy*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		10 1/2	1/2		
2	1					
3	1					
4	1					Commenced with a light breeze from
5	1		10 1/2	1/2		at Amoy and pleasant weather
6	1					
7	1					at 5 1/2 m. Breeze from Amoy
8	1					
9	1					
10	1					
11	1					
12	1					
1	1	1				Amoy Breeze from Amoy
2	1	1				at 5 1/2 m. Breeze
3	1	1				
4	1	1				
5	1					12 m. Breeze from Amoy
6	1					at 5 1/2 m. Breeze
7	1					Amoy Breeze from Amoy
8	1					at 5 1/2 m. Breeze
9	1					
10	1					
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		10 1/2	1/2		
2	5					
3	5					
4	5					Commenced with light breeze and
5	5		10 1/2	1/2		pleasant weather
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					Amoy Breeze from Amoy
12	5					and
1	5					
2	5					
3	5					
4	5					
5	5		10 1/2	1/2		Amoy Breeze from Amoy
6	5					at 5 1/2 m. Breeze
7	5					pleasant weather
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship
Shanghai from *Hongkong* towards *Yamoo*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Sunday June 22nd

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

216

The Ship from *Albany* towards *Manila*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		SE	SW		
2	5					
3	5					
4	5					Commenced with light breeze and
5	5					light passing clouds
6	5		SE			
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					At night moderate and pleasant
1	5		SE			
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					Was good breeze and pleasant
8	5					
9	5					
10	5					Spoke by Obs 19.15.4
11	5					Spoke by Obs 19.15.4
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		SE	SW		
2	2					
3	2					Commenced with good breeze
4	2					and pleasant weather
5	2					Weather employed scrubbing the
6	2					between decks
7	2		SE			
8	2					
9	4					
10	2		SE			
11	2					Through the night light breeze
12	2					and pleasant weather
1	3					
2	3					At 11 spoke from the South
3	3					were in sight flying jib and
4	3		SE			main top sail set
5	3					
6	3					Breeze in sight ahead close haul
7	3					
8	4					Commenced with fair breeze and
9	3		SE			pleasant
10	3					Spoke by Obs 17.53
11	3					Spoke by Obs 17.53
12	3					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The Port from Hong Kong towards Maner

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		SW			Commences with light breeze and pleasant weather
2	5					
3	5					
4	5					
5	5					
6	5		SW			
7	5		SW			
8	5		SW			
9	5		SW			
10	5		SW			
11	5		SW			
12	5		SW			
1	5		SW			
2	5		SW			
3	5		SW			
4	5		SW			
5	5		SW			
6	5		SW			
7	5		SW			
8	5		SW			
9	5		SW			
10	5		SW			
11	5		SW			
12	5		SW			

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		W & W South			Commences with strong breeze and squally appearance
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

The Bark from Hong Kong towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0					Thurs June 28 th
2	0					
3	0					
4	0					Commenced with strong gale
5	0					and Drifting Clouds
6	0					
7	0					1.30. In our close but from
8	0					the S.W. Sails set. S.W. Sails
9	0					main S.W. mast. S.W. Sails set
10	0					for
11	0					
12	0					
1	0					Went more moderate
2	0					
3	0					
4	0					0. A.M. set S.W. & main S.W.
5	0					Sails set
6	0					to S.W. Sails set to S.E.
7	0					8 S.W. Sails
8	0					
9	0					
10	0					Ends moderate and pleasant
11	0					
12	0					Went by Obs 15.04

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	0					Fri June 29 th
2	0					
3	0					
4	0					Commenced with strong gale
5	0					and heavy squalls from S.W.
6	0					
7	0					1.30. Doubt if a the S.W.
8	0					Sails set. Main Sails
9	0					
10	0					
11	0					
12	0					
1	0					Went with strong gale
2	0					and Drifting squalls close
3	0					up to the S.W. Sails set
4	0					the S.W. Sails
5	0					
6	0					
7	0					
8	0					
9	0					
10	0					
11	0					
12	0					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Went by Obs 16.26

Ship

The *Bark* from *Hongkong* towards *Manila*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		SE	SE		
2	4					
3	4					
4	4		SE			Commences with strong gales
5	5					and passing spars
6	5					
7	5					1:30 P.M. out of sight from
8	5					the Top Sails & part of main Mast
9	5		SE			Sail the ship & spars
10	5					
11	5					6 out of sight from Top
12	5					Sails see main Mast & sail
1	6					5 m. Ship to Westward
2	6		SE			
3	6					
4	6					2 A.M. out of sight from Top
5	6		SE			Sail the ship
6	6					4 P.M. Ship to SE
7	6					
8	6					5:30 out of sight
9	6					
10	6					Clear fine breeze and pleasant
11	6					
12	6					St. Ag. 15.5.45

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		SE	SE		
2	5					
3	5					Commences with fresh breeze
4	5					and strong weather
5	5					
6	5					1 P.M. main Mast to be seen
7	5					
8	5					4 P.M. Ship to West
9	5					
10	5					
11	5					4 P.M. out of sight and shading
12	5					
1	6					
2	6					
3	6					
4	6					
5	6					Clear calm
6	6					
7	6					
8	6					
9	6					St. Ag. 15.5.45
10	6					
11	6					
12	6					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The *Prize* from *Hongkong* towards *Manila*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
----	----	------	----------	--------	------	----------

1	3					
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					
1	3					
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					

*Thompson's light breeze
and strong*

Lat by Obs 15 14

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
---------	-------	------------	------	---------------	-------------	--------	-------------	----------	--------------

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
----	----	------	----------	--------	------	----------

1	2					
2	2					
3	2					
4	3					
5	3					
6	3					
7	4					
8	2					
9	4					
10	4					
11	5					
12	4					
1	4					
2	4					
3	4					
4	4					
5	4					
6	5					
7	5					
8	6					
9	4					
10	5					
11	2					
12	1					

South 1/4

*Commenced with light breeze
and strong breeze*

*2 P M Set all the top masts
staying sail*

*The wind began to blow
in an strong fair breeze up the
gale*

1/4 S 1/4 E

*Here the breeze moderate and
strong*

*A fine cyclone or colors with
an English ship bound to Manila
a large vessel here 1/4 S 1/4 E*

1/4 S 1/4 E

*It was light breeze and pleasant
weather*

1/4 S 1/4 E

Coringa in town 1/4 S 1/4 E 19 miles off.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
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Ship

1846

Thomas Perkins from Manila towards Foochow

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
						Tuesday August 12 th
1						
2						
3						
4						Commenced with strong breeze
5						and cloudy weather
6						5 A M Hove the anchor up
7						and made all sail with a light
8						breeze from the northward
9						
10						Throughout working ship
11						down the Bay to the anchorage
12						
1						
2						11 P M got a store, on a Bank
3						off Marabanas carried out the
4						ledge as turn and got her off
5						
6						Now with strong breeze and pleasant
7						
8						Wednesday Aug 13 th
9						Commenced with strong breeze and squally
10						in the fore sail 2 A M single reefed the
11						top sails
12						1 P M came to anchor off Marabanas

Courses.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. by	Long. by Ob.
in 17 fathoms	40	fathoms	40	fathoms	40	fathoms	40	fathoms	40
This blowing heavy from NW with rainy weather									

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
						Thursday Aug 14 th
1						
2						
3						
4						Strong gales and heavy rain
5						with which I saw that the
6						the fore sail was and masts
7						of the fore top masts badly
8						sprung
9						Carpenter employed in getting another
10						
11						
12						Friday Aug 15 th
1						Commenced with strong breeze
2						& squalls with heavy rain
3						and up the fore top masts
4						was fresh breeze with rain
5						
6						Commenced with fresh breeze
7						and squally with rain
8						setting up the fore top masts
9						rigging and got the ship ready
10						for sea
11						6 P M Ship Tabor came in
12						

Courses.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. by	Long. by Ob.
and	and	and	and	and	and	and	and	and	and

Ship

The Perkins from Manila towards Foochow

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						Commenced with fresh breeze and
6						spray with rain
7						
8						
9						At 10 A.M. got under weigh in com-
10						pany with an English sloop and
11						commenced beating out between Corrigador
12						Marbellas
1						
2						12 In Stead of by Corrigador
3						
4						This day was with 12 hours by changing
5						Civil to nautical time
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Monary Aug 18th

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4					
2	4					
3	4					
4	4					Commenced with fresh breeze and
5	4					passing Spanish working ship
6	4					to the windward to the advantage
7	4					At 10 A.M. the anchors on
8	4					the bow
9	4					At 10 A.M. Corrigador bore p: compass
10	4					N. E. & S.
11	4					St. Peter Island
12	3					At 10 miles from which I took
1	2					my departure
2	2					
3	2					Throughout moderate variable
4	2					winds and rainy
5	2					
6	2					
7	1					At 10 A.M. Stead of ship to N. W.
8	1					At 10 A.M. wind bore to S. W. to N. W.
9	1					
10	1					Now calm and pursuing ship in
11	1					company
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

8th from *Spain* towards *Stockholm*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
----	----	------	----------	--------	------	----------

Thursday Aug 14th

1	/	/	h w d u		
2	/	/			
3	/	/			
4	/	/			
5	/	/			
6	/	/			
7	/	/			
8	/	/			
9	/	/			
10	/	/			
11	/	/			
12	/	/			
1	/	/			
2	/	/			
3	/	/			
4	/	/			
5	/	/			
6	2	/			
7	2	/			
8	3	/			
9	4	/			
10	4	/			
11	4	/			
12	4	/			

Commenced with a light air from the S E and S W

At night ship in company

10 AM set all things sail with a fine breeze from South

Evening with a fine breeze from South and S W

Set by clock 14.40

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
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H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
----	----	------	----------	--------	------	----------

Wednesday Aug 20th

1	4	/	W h w d e		
2	4	/			
3	4	/			
4	4	/			
5	3	/	h w d u		
6	3	/			
7	3	/	h w		
8	2	/			
9	3	/			
10	3	/			
11	3	/			
12	2	/			
1	3	/	h h w		
2	3	/			
3	3	/			
4	3	/			
5	3	/			
6	3	/			
7	3	/			
8	3	/			
9	2	/	d e		
10	2	/			
11	2	/			
12	1	/			

Commenced with a light breeze from the S E and S W

weather all sail set before the wind

At night ship appears from S E in an strong sail

At night a light breeze from S E in a round the yards

by modern

moderate and

evening

2 AM set all things sail and top bar strong sail

Evening with a light air from S E and S W

Set by clock 15.40

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
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Ship

Ship from Manila towards Foochow

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	3		Nh W	South		Thursday Aug 21 st
2	3					
3	3					
4	3					
5	3					Commenced with light breeze
6	3					and pleasant weather
7	4		Nh W			Set the Store Top mast and
8	4					Lower Stun'g Sail
9	4					4 P.M. wind inclining more easterly
10	4					by day Sea Stun'g Sails
11	4					
12	4					
1	4					Through the night light breeze
2	4					and passing clouds
3	4					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					Cross with a fine breeze from
10	5					the S.E. and cloudy weather with
11	5					light showers of rain
12	5					Observation

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		Nh W	SE		Friday Aug 22 nd
2	4					
3	4					Commenced with light breeze
4	5					and calm weather
5	2					2 P.M. Set the Store Top
6	2					mast and Lower Stun'g Sail
7	2					
8	1					Calm
9	1					
10	1					
11	2					
12	2					Meaning a light air from
1	2					the S.E. by day the Store Top
2	2					mast stun'g sail
3	3					
4	3					
5	3					
6	3					
7	3					Cross with a light air from the
8	3					by day stun'g sail
9	3					
10	3					Log by day 18.12 hours
11	3					
12	2					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship
from Manila towards Foochow

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		hly W	SE		
2	2					
3	2					Commenced with light air from
4	2					SE and sultry weather
5	2					
6	2					
7	2					11 PM a light breeze from
8	2					the Northward backed ship
9	2					to the Westward
10	2					
11	2					9 AM a squall from SE
12	2	1 hly	SE			in rain, fog and rain till
1	2	1				5 AM fair
2	1	1				
3	1	1				
4	1	1				
5	1	1	hly			
6	1	1				
7	1	1				Enas with a breeze from SE
8	2					and pleasant
9	3					
10	4					
11	4					Spas by Obs 15.37 h
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		hly W	SE		
2	5					
3	5					
4	5		hly & hly	SE		Commenced with fine breeze
5	5					and pleasant weather
6	5					
7	6		hly			1 PM squally appearance
8	5					in SE and rain till
9	4					5 AM fair & lower squally
10	4		hly			9 PM backed ship to hly
11	3					
12	3					
1	3					Midnight moderate and
2	4					pleasant
3	4					
4	4		hly W	SE		
5	4					
6	4					3 AM rain squalls in rain
7	3					fog & flying
8	2					
9	1	1				Enas with a light air from
10	1	1				the Eastward and pleasant weather
11	1	1				
12	1	1				Spas by Obs 19.28 h

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

Sho' Runs from *Sham* towards *Stoochnofo*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		<i>NW</i>			
2	2					
3	0					
4	0					
5	0					
6	.			<i>Calm</i>		
7	.					
8	.					
9	.					
10	4		<i>NW</i>			
11	4					
12	4					
1	4					
2	4					
3	4					
4	3					
5	4					
6	4					
7	4					
8	4					
9	4					
10	6			<i>East</i>		
11	6					
12	8					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6		<i>NW</i>			
2	4					
3	2					
4	4					
5	.			<i>Calm</i>		
6	.					
7	4		<i>NW</i>			
8	4		<i>North</i>			
9	4					
10	4					
11	4					
12	4					
1	4					
2	4					
3	4					
4	4		<i>East</i>			
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The *Orion* from *Manila* towards *Soochow & Foo*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		N E	h h u		Wednesday Aug 27 th
2	2					
3	2					
4	.			Calm		Commences with a light breeze
5	.					from the Northward and passing
6	2		N E	h h E		Clouds
7	2					
8	2					1 P M a light air from East
9	2					Sea from the <u>west</u> and lower
10	2					stray sail
11	2					
12	2					
1	2					Midnight a breeze from Southward
2	2					
3	2		N E			
4	.					2 P M a light air from Westward
5	.					in an <u>stray</u> sail breeze from
6	2					the <u>yard</u>
7	3					
8	3					5 A M breeze from Eastward
9	3					from the <u>yard</u> of the <u>stray</u> sail
10	2		N E			
11	.					Clouds calm
12	.					Spas by Abs 22.14.0

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	.		Calm			Thursday Aug 28 th
2	.					
3	.					
4	.					Commenced with calm sultry
5	.					weather
6	.					6 P M a light air from N E
7	.					
8	2		N W by N	h h E		
9	2					
10	2					
11	.		Calm			
12	.					Midnight calm
1	.					
2	.					
3	.					
4	2		N W by N	h h E		
5	2					
6	2					
7	2					
8	3					Clouds with a light air from
9	3					N E and <u>pluvial</u>
10	3					
11	3					
12	3					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

Sho' from Munda towards Tso Chow for

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	3		h W h W			Friday Aug 29 th
2	3					
3	3	1				
4	3	1				Commenced with light breezes and
5	4					Phasans weather
6	4					
7	4		h by h			
8	3					
9	3		h by h			
10	3					
11	3					Throughout the night light breezes
12	3					and Drifting clouds
1	3		h by h			
2	3					
3	3		h by h			
4	3					
5	3		h by h			
6	3					
7	3		h by h			
8	3					Ones with fine breezes and phas-
9	4					and
10	4					Lat by Ch 23 1/2
11	3					Long by Chro 148 15 East
12	3					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		h W h W			Sat Aug 30 th
2	4					
3	4					Commenced with a fine breeze
4	4					from h W & Phasans weather
5	3	1	h W			
6	3	1				2 Pm made the land ahead
7	3	1				
8	3	1				4 Brothers bore for compass
9	2	1	h by h			h W by h W
10	2	1				
11	2	1				5 Pm Tackled Ship to S E
12	3					
1	3		h by h			1/2 anight morning with Drif-
2	3					ing clouds Tackled Ship to North
3	3					
4	3					
5	3		h by h			9 A M fresh Squaws from the
6	4					h W in flying for main voyer
7	4		h W			and main Tackled Ship to S E
8	4					down main voyer yard
9	4					
10	4		h by h			Ones fresh breezes and clouds
11	4					
12	4					No Observations

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

The Ship from Spanita towards Tschow Foo

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		W 1/2 S			Commenced with strong breeze and softing squalls
2	4					
3	4		N 1/2 W			
4	4					
5	4		W 1/2 S			
6	4					
7	4					1:30 P.M. Tackled Ship to North
8	4					
9	4		N 1/2 E			Midnight
10	4					4 A.M.
11	4					
12	4					
1	4		W 1/2 S			11 in main, Top Gun Sail
2	3	1				It is again
3	3	1				
4	3	1				Snow with moderate breeze and cloudy weather
5	3	1	North E 1/2 S			
6	3	1				
7	3	1				
8	3	1				
9	3	1	N 1/2 W			Upon Chapel Island
10	3	1				Spanita's masthead
11	4					Tackled Ship to S E
12	4					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Monday Sept 1st

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		W 1/2 S			Commenced with moderate breeze and pleasant weather
2	5					
3	5					
4	5					
5	4	1	S 1/2 W			
6	4					
7	5		W 1/2 W			6 P.M. out of S of Tormador
8	5					here South
9	4					
10	4					
11	5		W 1/2 S			Midnight Tackled Ship to S E
12	5					to Westward
1	4		W 1/2 S			
2	4					
3	5					
4	5		W 1/2 N			
5	5		W 1/2 N			
6	6					
7	6		W 1/2 N			
8	5					
9	5					
10	5					
11	5					
12	5					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

from *Shanghai* towards *Peking*

H. K. H.K. Courses. Winds. L.W. Remarks. *Wednesday Dec 15th 1845*

1						
2						
3						
4						Commenced with fresh breeze
5						and pleasant weather employed
6						in working ship down the river
7	1		SW			
8	1		SW			4 In passage by the to him
9	1		SW			dog
10	6		W by N			4 White dog born 40 by 16
11	6		W by N			4 White dog born 40 by 16
12	6		W by N			5 The sea ship to what
1	6		W by N			10
2	6		W by N			11 Set for + "Mr" T. S. Van
3	6		W by N			Tail
4	5		W by N			
5	5		W by N			2 A M E. L. K. A ship to Westward
6	6		W by N			2 " " " " " " " " " " " "
7	6		W by N			
8	6		W by N			
9	6		W by N			
10	1		W by N			Spas by Oct 25 20 1/2
11	1		W by N			
12	1		W by N			

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. *Thursday Oct 14th*

1	1		W by N			
2	3		W by N			
3	2		W by N			
4	2		W by N			Commenced with light breeze
5	2		W by N			and pleasant weather
6	2		W by N			40 by 16
7	2		W by N			40 by 16
8	2		W by N			40 by 16
9	2		W by N			40 by 16
10	2		W by N			40 by 16
11	2		W by N			40 by 16
12	2		W by N			40 by 16
1	2		W by N			40 by 16
2	2		W by N			40 by 16
3	2		W by N			40 by 16
4	2		W by N			40 by 16
5	2		W by N			40 by 16
6	2		W by N			40 by 16
7	2		W by N			40 by 16
8	2		W by N			40 by 16
9	2		W by N			40 by 16
10	2		W by N			40 by 16
11	2		W by N			40 by 16
12	2		W by N			40 by 16

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The *Ark* from *Storcha* towards *Hongkong*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		D/S 2/4			
2	5					
3	5					
4	5					Commenced with moderate breeze
5	4	1				and pleasant weather
6	4	1				
7	5					8 PM out of <i>Storcha</i>
8	5					for <i>South</i>
9	4	1				
10	4	1				
11	5					
12	5					Young <i>Tacka</i> Ship to <i>Storcha</i>
1	5					
2	5					
3	4					3 A.M. " " to <i>Storcha</i>
4	4					
5	5					
6	5					
7	5					4 A.M. in <i>Storcha</i>
8	5					
9	5					
10	5					Commenced with moderate breeze
11	5					and pleasant weather
12	5					Spas by Obs 25.06h

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4	1	West 1/4			
2	4	1				
3	4	1				Commenced with moderate breeze
4	4	1				and pleasant weather
5	5	1				
6	5	1				8 PM <i>Tacka</i> Ship to <i>Storcha</i>
7	4					
8	4					
9	4					
10	4					
11	4					Through the night light breeze
12	5	1				from <i>Storcha</i> and <i>Storcha</i>
1	5	1				
2	5	1				
3	5					
4	5					
5	5					
6	5					
7	5					
8	5	1				Quas <i>Cabin</i>
9	5					
10	5					Spas by Obs 24.39h
11	5					Long by Obs 119.10h
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

45

The *Peking* from *Tso-chu-fu* towards *Hong Kong*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		W 4	W 4		
2	2					
3	"		Calm			
4	"					Commenced with light air and
5	"					Shanghai Tacka Ship to S
6	"					
7	"					2 A M a light breeze from W 4
8	1		W 4	North		3 " " Tacka Ship to South
9	1					
10	"		Calm			
11	"					
12	"					
1	"					By midnight Calm and Shanghai
2	2		W 4	W 4		
3	3					
4	3		W 4	South		
5	3					
6	3					
7	3					
8	3					
9	2		S 4			
10	2					
11	2					
12	2					

Lat by Obs 24.28 North
Long by Chron 114.18 East

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. Monday Dec 20th

1	2	1	S 4	W 4		
2	2	1				
3	1	1	S 4			Commenced with light air and Shanghai
4	1	1				
5	2					
6	3		W 4	W 4		
7	4					1 P M a light breeze from N N E by the star
8	1					fair
9	7		W 4	W 4		
10	10					11 A M Ship by the star the masts & lower
11	10					stays &c
12	11					
1	11					
2	11					
3	10		W 4	W 4		5.30 A M Japan Ship in an star fair
4	10					Main Mast & Main Top San San
5	10		W 4	W 4		
6	10					Enos strong gale and Shanghai
7	10					
8	10					
9	10		W 4	W 4		
10	10					
11	10		W 4	W 4		
12	10					

Lat by Obs 22.48 North
Long by Chron 117.13 East

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

1845

The Ship from Foochow towards Hongkong

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	10		Up by S. N. E.			Commenced with strong breezes and pleasant weather. Sent the Main Top Sail & set it. At 30 P.M. in Main Top Sail Sail. Doubled the Top Sails in the Sail.
2	10					
3	10					
4	10					
5	10					
6	10					
7	10					
8	9					
9	8					
10	9					
11	9					
12	9					
1	2		Squing by north off N.W. by N.			12 M. Sounded in 30 fathoms water.
2	2					1 U. M. backed the Store Top Sail and layed by for daylight.
3	2					Sounded in 25 fathoms water.
4	2					4 Sounded in 30 fathoms water.
5	2					6 Made the Land bearing N by W.
6	2					7 Jibed away the Store Top Sail.
7	2					8 At 30 U. M. took a Pilot.
8	2					9 Put on bare N.W. for compass.
9	2					10 Under the Linnion by W.
10	2					11 Entered the Linnion Passage.
11	2					12 Came to anchor in Hongkong Harbor.
12	2					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						Commenced with
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The *Enterprise* from Hongkong towards Manila

H. K. H.K. Courses. Winds. L.W. Remarks. *Friday Oct 24th 1845*

1						
2						
3						
4						Commenced with strong breeze
5						and pleasant weather
6	10		SE north			3 P.M. Gales came on, bore
7	10					up the ship was weigh anchor
8	10					Proceeded out the Moon
9	10		SE			Passage
10	10					4 P.M. discharging the Pilot
11	10					and stowed the Gunthors
12	9					6 P.M. Grand Lema here 14 th
1	9					14 miles from which I take my
2	9					departure in 5 P.M. sails
3	8					10 P.M. double before the ship
4	5					last
5	5					11 in 12 th Starboard
6	5					Midnight strong gales and
7	5					driving fast to the main sail
8	5					Whose before the Moon and
9	5					the ship sails. 1 P.M. the ship
10	5					5 P.M. sail fast
11	5					Morning Sun is down to 1 P.M.
12	5					Quas strong breeze and rain

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. *Sat Oct 25th*

1	5		SE north			
2	5					
3	5					Commenced with strong gales
4	5					and driving squalls fresh rain
5	5					
6	5					
7	1					Throughout the night strong
8	1					gales and rain
9	1					
10	1					9 A.M. beat the fore top
11	1					sail about 10 A.M. and set it
12	1					and leaving the chase and
1	1					from Man and under the
2	1					main sail
3	1					11 A.M. set and started
4	1					10.30 A.M. away long
5	1					of the sail. Thence it up
6	1					to 1 P.M.
7	1					
8	1					Quas with fresh breeze
9	1					and rain squalls
10	1					
11	1					No Observations
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The Ark from Hongkong towards Manilla

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		W. S. E.			
2	2					
3	3					
4	4		W. S. E.			Commenced with strong breeze and
5	5					Dropping rain Squalls freshened the
6	6					Storm Sail and set it
7	7					
8	8		W. S. E.			5.30 being out from Star and
9	9					Main Top Sails set Star and
10	10					Main Top Gun Sails
11	11		W. S. E.			
12	12		W. S. E.			10 P.M. Star to Squares from South
1	1					hauled round the Chocks cleared up Star
2	2					& Mid Top Gun Sails
3	3					11 Carried away. Shot rope of Star
4	4		W. S. E.			Sail in a heavy Squall
5	5		W. S. E.			
6	6		W. S. E.			At daylight were Ship to Southward
7	7					5 M. hauled down Main Sails set Star
8	8					Top Gun Sails
9	9		W. S. E.			5.30 up a mid Star Sail and let it
10	10					Chocks thing goes and Star Sails
11	11		W. S. E.			
12	12		W. S. E.			

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Lat by Obs 15.25 N
Long by Obs 107.10 E

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		W. S. E.			
2	2					
3	3					
4	4					Commenced with strong breeze
5	5		W. S. E.			and dropping rain Squalls
6	6					to Main Sails
7	7					
8	8					8 Set sail and Main Top Gun Sails
9	9		W. S. E.			
10	10					10 P.M. Dropping rain Squalls
11	11		W. S. E.			2 M. Star to Ship & Star
12	12					cut rope from Mid Top Sail set
1	1					Star and Mid Top Gun Sails
2	2					
3	3					
4	4					
5	5		W. S. E.			5.30 a.m. cut an rope
6	6		W. S. E.			
7	7		W. S. E.			
8	8					
9	9		W. S. E.			
10	10					
11	11					
12	12					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Lat by Obs 15.25 N
Long by Obs 108.10 E

Dep. 1842 from *Yonkers* towards *Spencer*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		<i>Drift E by S</i>			
2	4					
3	5					
4	5		<i>SE by S</i>			<i>Commenced with light breeze and pleasant weather at fair day in the time</i>
5	1		<i>SE by E</i>			
6	1			<i>E. S.W.</i>		
7	2		<i>SE</i>	<i>N.E. by E</i>		<i>6 P.M. a light breeze from Westward</i>
8	2					<i>haze round the Yards</i>
9	3					<i>7 a breeze from N.E. breeze round the Yards</i>
10	6					
11	6					
12	5	1				<i>10 A.M. Sea from S.W. breeze and lower</i>
1	6					<i>strong sail</i>
2	6			<i>N.E.</i>		<i>Midnight fine breeze and pleasant</i>
3	7					
4	8					<i>6 A.M. by S.W. and main S.W. breeze</i>
5	8	1				<i>strong seas</i>
6	8	1				
7	8	1				
8	8	1				
9	8	1		<i>N.E. by E</i>		<i>6 a.s. strong breeze and pleasant</i>
10	8	1				<i>and some light seas</i>
11	8	1				
12	8	1				

*May 6, 1852
Tide by the 119.10*

Course. | Dist. | Diff. Lat. | Dep. | Lat. by D. R. | Lat. by Ob. | Varia. | Diff. Long. | Long. in | Long. by Ob.

H. K. H.K. Courses. Winds. L.W. Remarks. *Thursday Oct 29*

1	5		<i>SE by E</i>			<i>Commenced with fine breeze from the N.E. and pleasant weather</i>
2	1					
3	1					
4	1			<i>N.E. by E</i>		
5	1					<i>4 P.M. breeze from Eastward</i>
6	5					
7	5					<i>Dr. sea a light standing breeze</i>
8	1					<i>ward</i>
9	1					
10	1					<i>Midnight light breeze and pleasant</i>
11	5					
12	5					
1	5			<i>East</i>		
2	5					<i>2 A.M. breeze from S.W.</i>
3	5					
4	5			<i>SE</i>		
5	5					
6	5					<i>6 a.s. moderate and pleasant</i>
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

*May 6, 1852
Tide by the 119.10*

Course. | Dist. | Diff. Lat. | Dep. | Lat. by D. R. | Lat. by Ob. | Varia. | Diff. Long. | Long. in | Long. by Ob.

Ship
from *London* *towards* *Spain*
 Thursday Dec 30th

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2					
2	2					
3	3					
4	3					Commenced with fair breeze from S.W.
5	6					Ship
6	8					
7	1					
8	1					On by Cape's bar & on compass
9	1					for the S.W. wind of the 10 th
10	1					
11	4					11 miles from the Eastward in S.W.
12	3					Strong Sea
1	2					
2	2					
3	2					8 A.M. Marquis Mountain N.E. 6 miles
4	1					thence to N.E.
5	0					
6						from Cape's bar N.W. 11 miles
7						Mountain
8						
9						Made Corrigador
10						Lat 40° 28'
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						Commenced with fair breeze from S.W.
4						Ship's weather
5						
6						Employed working in the Mountain
7						Bay
8						15th m. made the Corrigador bearing
9						E 1/2 S. compass
10						
11						Although the night fresh breeze and
12						clear
1						8 A.M. Corrigador bore E 1/2 S.
2						11.30. made a rising sun & Bay of
3						Corrigador
4						12. M. passed in by Corrigador and
5						proceeded up the Bay with the wind
6						from the Eastward
7						
8						Went to the Eastward
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

from Hongkong towards Manila

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						Commenced with light breeze and
5						pleasant weather
6						Working up the bay to the best advantage
7						with the wind to our advantage
8						The sun has been 14 to 15 deg N
9						3 Date Calm 14 to 15 deg N
10						
11						12 to 14 Calm
12						
1						4 to 10 breeze from Northward
2						here 8 to 10 S. breeze
3						
4						4 breeze the day at anchor
5						by morning 10 to 12
6						
7						from Capitan bay East
8						morning 10 to 12
9						
10						Calm taken into possession
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship *Yamawara* Bound *1845*
from Yanda towards *the South*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						Commenced the arrival and the day
5						the Chaulukia off the Kaini Katcha
6						Chaulukia then went down away the land
7						things about the (the) here (the)
8						and made sail
9						5:30 P.M. Capt. came on board having
10						a list here there and made sail
11						the time up and filled with a light
12						from the (the)
1						
2						the night Yanda light here
3						light
4						
5						A.M. passed out between Corrigador
6						and Maricao
7						5 P.M. passed the sun
8						5 A.M. Corrigador here
9						some Capones
10						Yutan Peak
11						
12						Lat 11° 13' North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1					
2	1					
3	1					Commenced with a fine breeze from
4	1					N.E. passing clouds at drawing sail
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					10 P.M. Squally in Pigeon Bay San
11	1					Shag's Sales to in Haver Shag's sail
12	1					
1	1					the night passing San Juan
2	1					
3	1					
4	1					1 A.M. in Haver Shag's sail
5	1					there from on
6	1					
7	1					6 A.M. in Haver San Shag's
8	1					sail
9	1					
10	1					Lat by Obs
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

[illegible][illegible]

Ship

From *Manila* towards *San Diego*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	8	1	North			
2	8					
3	8					
4	8					
5	8					Clear, Part Strong Monsoon
6	8					and passing fair Squalls
7	8					
8	8					
9	8					S. 1/2 N in Man. Seas 3/4 S. 1/2 E
10	8					Sea and Waves Strong Fair
11	8					
12	8					
1	8					At night strong breeze and
2	8					passing Squalls with a heavy sea
3	1					from S. 1/2 E
4	1					
5	1					S. 1/2 N more moderate sea fair
6	1					lighter power strong fair
7	1					
8	1					
9	1					
10	1					Clear with fine breeze and
11	1					passing
12	1					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		North			
2	1					
3	1		North			
4	1					Commenced with fresh monsoon
5	8					and passing clouds
6	8					
7	8					At morning sea set before
8	8					the wind
9	8					
10	8					
11	8					
12	8					
1	8					At night good breeze and
2	8					passing clouds with light sea
3	1					Squalls
4	1					
5	1					
6	8					
7	8					Clear with fine breeze and
8	8					pleasant
9	8					
10	8					
11	8					
12	8					

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

5th Pickens from *Manila* towards *San Francisco*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6		SSE by E			Commenced with good breeze and pleasant weather all drawing fair till before the wind 6 P.M. Squall from Eastward in an strong S.W. rain squall
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					
1	3		North			All night fine breeze and good morning all fair Good weather and pleasant Lat by Obs 5-16-1
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		South by E			Commenced with light breeze and pleasant weather North Through the night moderate with falling clouds 9 A.M. made San Juan Island bearing S by E Came to anchor St. Andrew Island Ship
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The *Perkin* from *Manila* towards *N York*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	3		North	North		
2	3		SE			
3	3					
4	3					
5	3		Sp & variable			Commenced with light breeze and pleasant weather at 10 AM before the time
6	3					2 PM in the evening and 3 PM
7	4		North	North		Stah steady sails were being
8	4					Leaves
9	3					
10	3		SE			
11	3					The quantity of provisions
12	3					in the 30th of the ship's side
1	3					at 10 AM heavy squall from the Westward
2	3					with heavy rain blown down the
3	3					ship's sails in the wind and the
4	3					hauled up the main sail
5	3		North			
6	3					
7	3					10 AM weather cleared up the
8	3					sails
9	3					Morning of 3 PM and Moon
10	3					SE 3 PM sails
11	3					at 10 PM 3 PM sails
12	3					at 10 PM 3 PM sails

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1	1	North	North		
2	1	1				
3	1	1				
4	1	1				
5	1	1				Commenced with fine breeze
6	1	1				and pleasant weather
7	1	1				2 PM in the evening sails
8	1	1				
9	1	1				Morning of 3 PM sails
10	1	1				and breeze
11	1	1				at 10 PM 3 PM sails
12	1	1				at 10 PM 3 PM sails
1	1	1	North	North		
2	1	1				
3	1	1				
4	1	1				
5	1	1				
6	1	1				
7	1	1				
8	1	1				
9	1	1				
10	1	1				
11	1	1				
12	1	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

from

towards

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

Feb
1844 from *Albany* towards *Albany*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship
from *Winnipeg* *towards* *St. Louis*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

from						towards					
H.	K.	H.K.	Courses.	Winds	L.W.	Remarks.					
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.		

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks.					
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.		

from

towards

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1		/				
2		/				
3		/				
4		/				
5		/				Commenced with light breeze from
6		/				the S. by E. and freshened
7		/				before the ship was in sight
8		/				the coast of the
9		/				
10		/				
11		/				
12		/				
1		/				Through the night weather was
2		/				drifting clouds
3		/				
4		/				
5		/				
6		/				
7		/				Small birds seen flying over
8		/				South and S. by E. breeze
9		/				
10		/				
11		/				North by W. breeze
12		/				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1		/				
2		/				
3		/				Commenced with a fresh breeze
4		/				from the S. by E. and freshened
5		/				and by the ship was in sight
6		/				the coast of the
7		/				
8		/				
9		/				
10		/				
11		/				
12		/				
1		/				Through the night weather was
2		/				drifting clouds
3		/				
4		/				
5		/				
6		/				
7		/				Small birds seen flying over
8		/				South and S. by E. breeze
9		/				
10		/				
11		/				North by W. breeze
12		/				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

Ship from *Spina* towards *Ad. Hook*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	Wednesday Jan 12 th
1	4		Wk	SE			
2	4						
3	4		Wk	SE			
4	4						Commenced with good Trade winds
5	4						and pleasant weather
6	4						
7	4						At 3 P.M. the Top mast, Store and
8	4						Main Ship Gun Shag's sails
9	4		Wk	SE			
10	4						At 10 P.M. the Main Ship mast & Store
11	4						Shag's sails the Cross-jack and 1/2 of
12	4						
1	4		Wk	SE			
2	4						Weather pleasant
3	4						
4	4						
5	4						
6	4						
7	4		Wk	SE			
8	4						Clear with light breeze and pleasant
9	4						
10	4						
11	4						
12	4						

May by 6 to 12-13 steady

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	Thursday Jan 13 th
1	4		Wk	SE			
2	4						
3	4						
4	4						
5	4						Commenced with good Trade
6	4						and pleasant weather
7	4						
8	4						At 10 P.M. set off the main
9	4						though the night 5 mi. breeze
10	4						and pleasant weather
11	4						
12	4						
1	4		Wk	SE			
2	4						At 11 P.M. Squan from Westward
3	4						in Ship Gun Shag's sails long
4	4						and Store Shag's sails
5	4						
6	4						At 11 P.M. hauled to Southward
7	4						Set Store and Main Ship Gun
8	4						Shag's sails
9	4						
10	4						Clear pleasant
11	4						
12	4						

May by 11 to 13-14

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The *Arcturion* from *Myanite* towards *Mahe*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	3		4. 4	SE		<p>Commenced with light winds and pleasant weather.</p> <p>At 2 30 PM let down the anchor and lighted.</p> <p>At night fine stars and pleasant.</p> <p>At day strong stars and pleasant.</p> <p>Lat by Obs 14° 10' South</p> <p>Long by Obs 96° 27' East</p>
2	3					
3	5					
4	5					
5	6					
6	6					
7	6					
8	6					
9	7					
10	7					
11	7					
12	7					
1	7					
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	8		4. 5	SE		<p>Commenced with fresh breeze and pleasant weather.</p> <p>At day strong stars and pleasant.</p> <p>At night fine stars and pleasant weather.</p> <p>At day strong stars and pleasant.</p> <p>Lat by Obs 15° 21' South</p> <p>Long by Obs 92° 23' East</p>
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					
1	8					
2	7	1				
3	7	1				
4	7	1				
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The Ship returns from *Manila* towards *New York*

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks.	Sunday Jan. 16 th			
1	7		WSE	SE			Commenced with strong Trades and squally appearances 2 30 m squally from SE in laying top sail and lower studding sail down as squall passed them again			
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7						Monday strong Trades and passing clouds Clouds with fine breeze and blue sky Lat by Obs 14° 31' South Long by Obs 139° 31' East			
12	7									
1	7									
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks.	Tue Jan 17 th			
1	7		WSE	SE			Commenced with moderate Trades and cloudy weather 2 30 m squally from SE with fresh breezes of rain Monday passing down squalls 2 11 m. set lower studding sail 4 set main top mast and top gill studding sails Lat by Obs 17° 30' South No Obs			
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7						Lat by Obs 17° 30' South No Obs			
12	7									
1	7									
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in Long. by Ob.

Ship

The *Prize* from *Myania* towards *New York*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1	1	W by S	East		
2	1	1				
3	1	1				
4	1	1	W by S	East		Commenced with fresh breeze and cloudy weather
5	1	1				
6	1	1				
7	1	1				
8	1	1				
9	1	1				
10	1	1				4 P.M. Squally appearance in E by S in short main yards fore
11	1	1				top of the mainmast
12	1	1				
1	1	1				
2	1	1				Through the night good breeze and passing clouds
3	1	1				
4	1	1				
5	1	1				
6	1	1				
7	1	1				
8	1	1				Now fresh breeze and pleasant
9	1	1				
10	1	1				Lat by Obs 18° 27' S
11	1	1				Long by Obs 84° 09' W
12	1	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1	1	W by S	East		
2	1	1				
3	1	1				
4	1	1				Commenced with fresh breeze and passing clouds at chasing sail
5	1	1				before the wind
6	1	1				
7	1	1				
8	1	1				
9	1	1				
10	1	1				
11	1	1				
12	1	1				
1	1	1				1 A.M. a light squall from Eastward in English top of the mainmast
2	1	1				2 P.M. top of the mainmast
3	1	1				
4	1	1				
5	1	1				
6	1	1				
7	1	1				Now with good breeze and pleasant
8	1	1				
9	1	1				
10	1	1				Lat by Obs 19° 05' S
11	1	1				Long by Obs 82° 09' W
12	1	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

The Ship from *Mpanita* towards *N. E. Bork*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5		<i>4 Ship's Pass</i>			
2	5					
3	5					
4	5					
5	5	1				<i>Commenced with moderate breeze and pleasant weather</i>
6	5	1				
7	5	1				
8	5	1				
9	4					
10	4					
11	4					
12	4					<i>Through the night light breeze and pleasant weather</i>
1	4	1				
2	4	1				
3	4	1				
4	4	1				
5	4					
6	4					
7	4					<i>Was the same</i>
8	4					
9	4	1				
10	4	1				
11	4	1				
12	4	1				

Lat by Obs 20.19 S
Long by Chro 80.30 East

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4		<i>4 Ship's Pass</i>			
2	4					
3	4					
4	4					
5	4	1				<i>Commenced with fine breeze and pleasant weather all drawing sail. Set before the sun</i>
6	4	1				
7	4					
8	4					
9	4					
10	4					<i>11 PM. Squally appearances in the sea and high clouds. Light water. Sail set but and heavy rain</i>
11	4					
12	4					
1	4					
2	4					<i>12 Midnight. Passing rain squalls & all the night the light, calm again</i>
3	4					
4	4					
5	4					
6	4					
7	4					<i>Was with fine breeze and pleasant</i>
8	4	1				
9	4	1				
10	4	1				
11	4	1				
12	4	1				

Lat by Obs 24.13 S
Long by Chro 78.13 East

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

Ship

Thos Perkins from Myania towards New York

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	1		W by S	W		Thursday Nov 25 th
2	1					
3	6					
4	6					Commenced with good Trades
5	6					and pleasant weather
6	6		W by S			4 PM set the main top in 1
7	7					staying fair
8	1					
9	1					
10	1					
11	1					
12	1					
1	1					My night's sleep squats
2	1					
3	1					
4	1					
5	3					
6	4					
7	4					W was moderate and pleasant
8	4					
9	4	1				
10	4	1				
11	4	1				
12	1	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
W by S	136	29	2.13	20.34	21.31	1/2 E	2.13	75.50	110.63

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	3	1	W by S			Wednesday Nov 23 rd
2	3	1				
3	3	1				
4	3	1				Commenced with light air and
5	4					pleasant weather
6	4					
7	4			W		
8	4					
9	4					
10	4			E		11.30 put the ship
11	3					
12	3					
1	4			E		
2	5					12 Whiffed over the top in 1
3	5					staying fair
4	4					
5	4					
6	3					
7	3					
8	3					
9	3	1				
10	3	1				
11	3	1				
12	3	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
W by S	90	1.29	1.36	21.39	21.44	1/2 W	1.36	75.49	110.63

Ship

The *Pekin* from *Myinto* towards *Madag*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		4/4s East			Commenced with a light breeze and pleasant weather
2	2					
3	2	1				
4	2	1				
5	2	1				
6	2	1				
7	3		4/4s East			4 SP Myinto Ship shifted over the top mast stay & sail
8	3	1				
9	4					
10	4					
11	4					
12	4					
1	4		4/4s East			Midnight good breeze and pleasant
2	4	1				
3	4	1				
4	4	1				
5	3					
6	3					
7	3		4/4s East			Clear with a light breeze from Eastward and hot sultry weather
8	3					
9	3					
10	2	1				
11	2	1				
12	2	1				

Lat by Obs 21.47 S

Long by Obs 72.44 E

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
4/4s	11	Nothing	1.11	21.44	21.47	1/2 W	1.23	72.40	No Obs

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	2		4/4s East			Commenced with light breeze from the Eastward and pleasant weather
2	2					
3	2	1				
4	2	1				
5	2	1				
6	2	1				
7	2	1	4/4s East			Midnight light passing rain squalls
8	2	1				
9	3					
10	3					
11	3					
12	3					
1	3		4/4s East			Clear with better breeze and pleasant
2	3					
3	3	1				
4	4					
5	4					
6	4	1				
7	4	1	4/4s East			Lat by Obs 21.55 S
8	4	1				
9	4	1				
10	4	1				
11	4	1				
12	4	1				

Lat by Obs 21.55 S

Long by Obs 71.00 E

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
4/4s	81	11	1.20	21.55	21.55	1/2 W	1.26	71.14	No Obs

Lat

Ship *Prize* from *Manila* towards *New York*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6	1	High			
2	6	1				
3	6	1				
4	6	1				
5	6	1				Commenced with fine
6	6	1	high			trade winds with
7	6	1				clear
8	6	1				the morning sun
9	6	1				
10	6	1				Employed in taking and
11	6	1				down the rigging
12	6	1				
1	6	1				
2	6	1				
3	6	1				through the night fresh
4	6	1				with
5	6	1				
6	6	1				
7	6	1				Even with moderate
8	6	1				and pleasing
9	6	1				
10	6	1				
11	6	1				
12	6	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6	1	High			
2	6	1				
3	6	1				
4	6	1				Commenced with light
5	6	1				trade winds with
6	6	1				clear
7	6	1				
8	6	1				
9	6	1				
10	6	1				
11	6	1				
12	6	1				
1	6	1				Through the night moderate
2	6	1				pleasant
3	6	1				
4	6	1				
5	6	1				
6	6	1				Remained in San
7	6	1				
8	6	1				
9	6	1				
10	6	1				
11	6	1				
12	6	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

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